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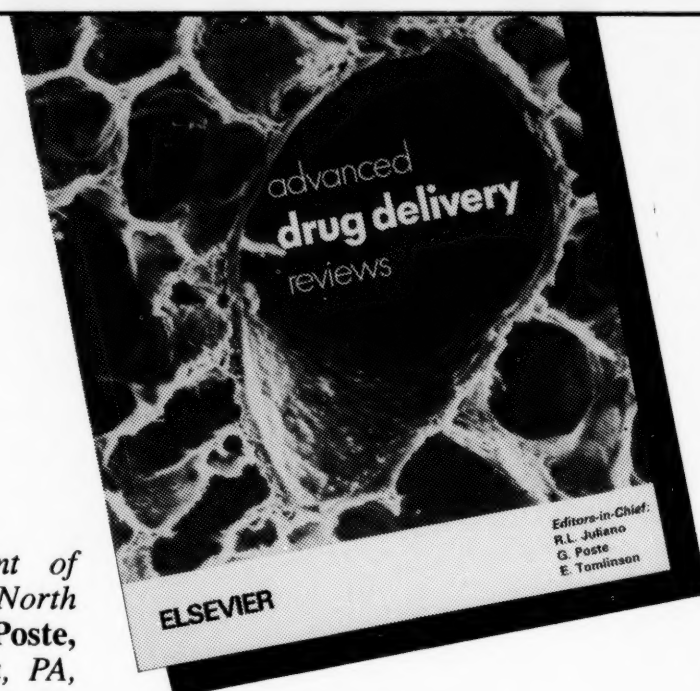
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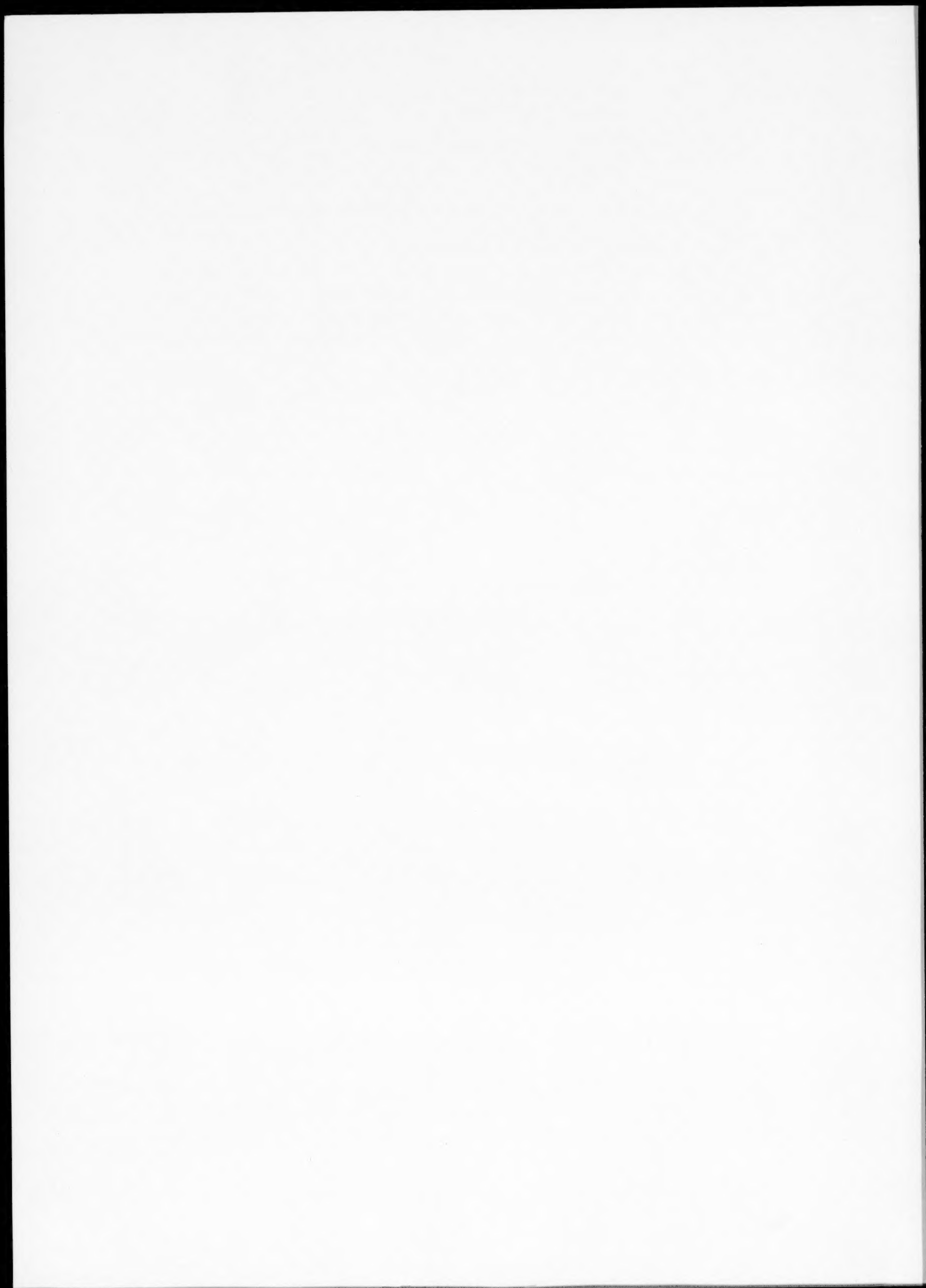
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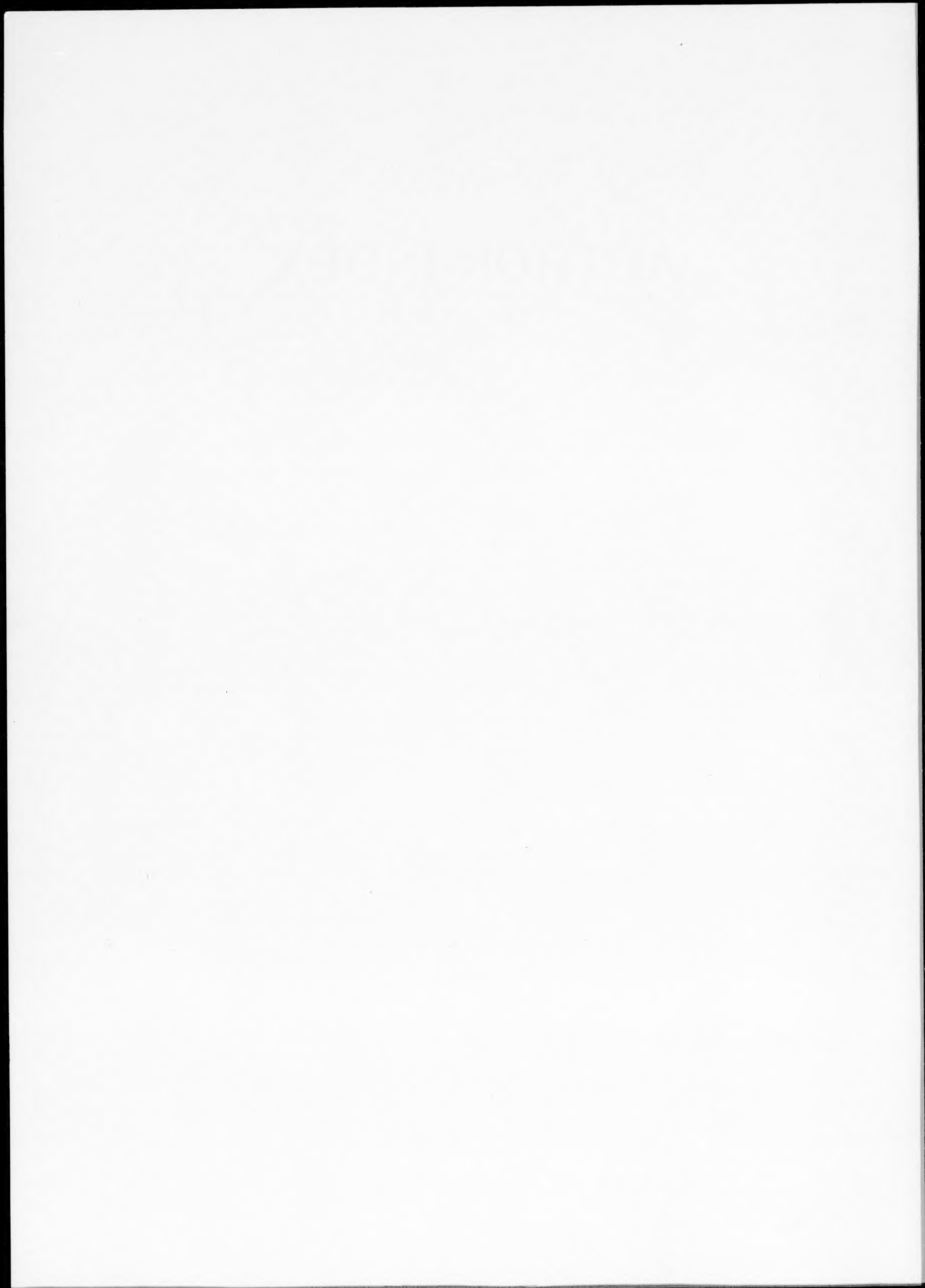
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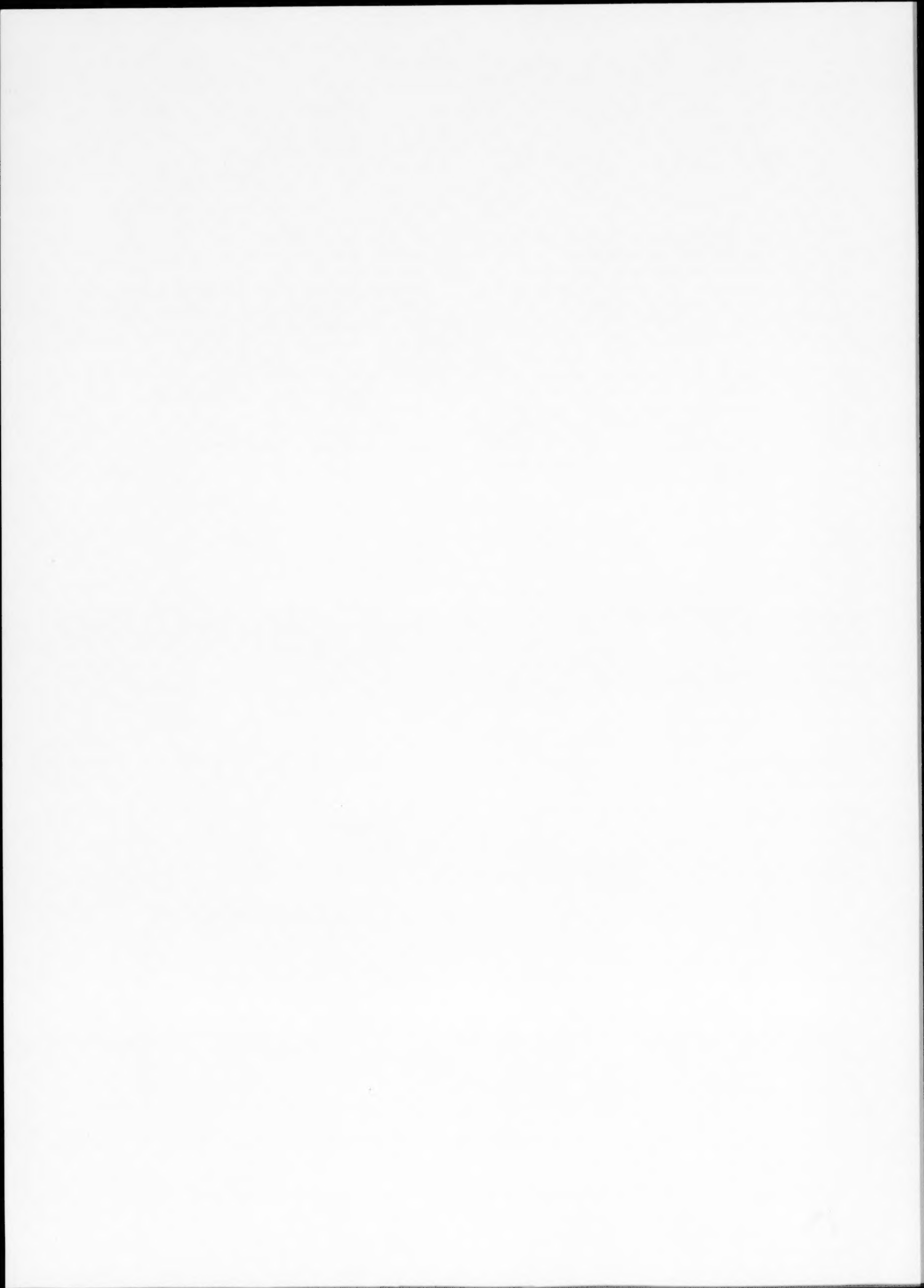
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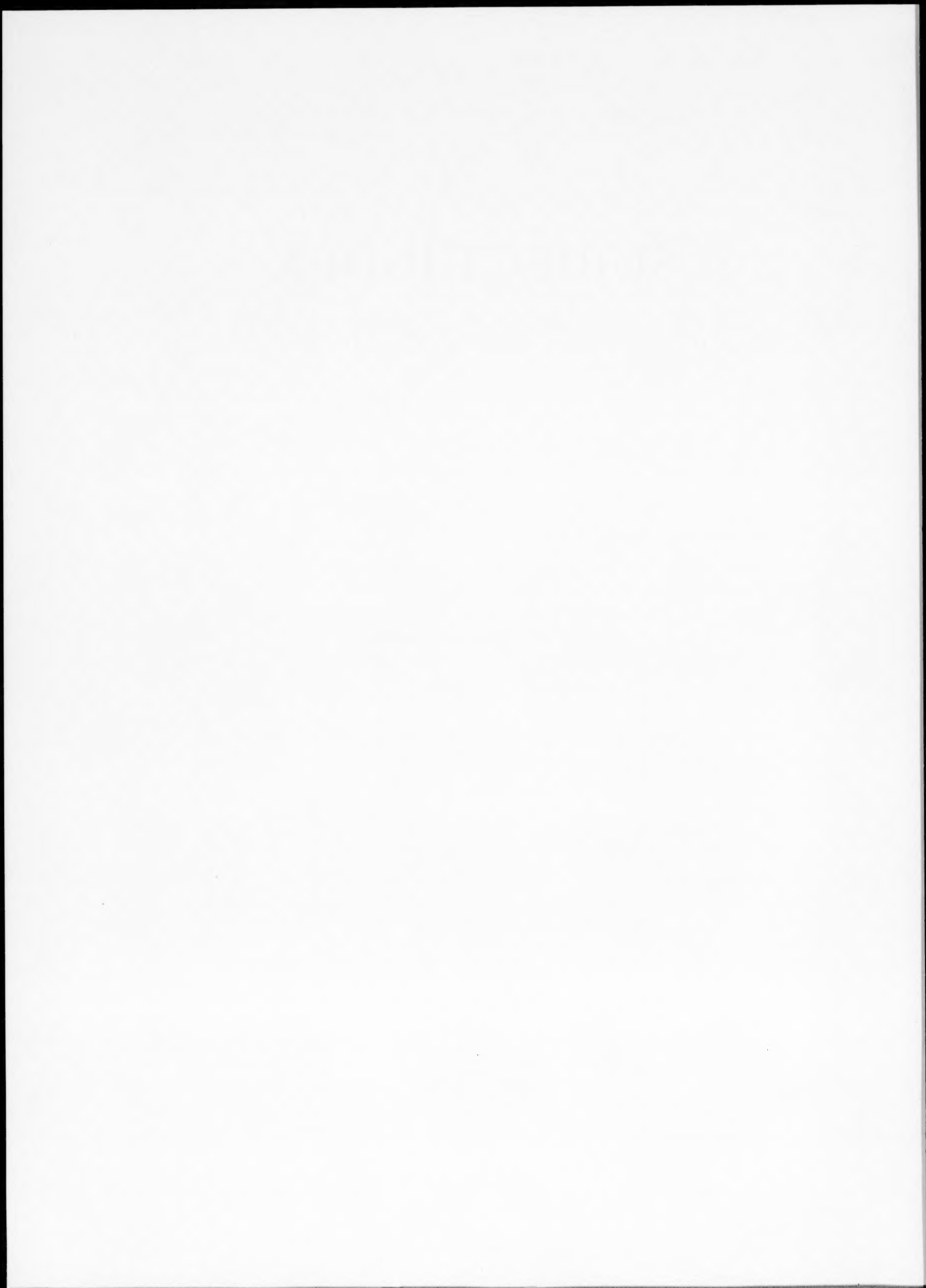
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# SUBJECT INDEX



# A

## ABO blood groups

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## Acceptor specificity

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## Accuracy

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## Acetylcholinesterase

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## $\beta$ -N-Acetylglucosaminidase

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## $\beta$ -N-Acetylhexosaminidase

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## Acid hydrolases

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## Activation energy

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## Acute bacterial infection

$\alpha$ <sub>1</sub>-Acid glycoprotein; Glycosylation; Chronic bacterial infection (Fassbender, K. (203) 315)

## Acute intermittent porphyria

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## Acute lymphoblastic leukemia

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## Acute pancreatitis

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$\alpha$ <sub>1</sub>-Acid glycoprotein; Variants; Synthesis (Eap, C.B. (203) 379)

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**Albumin Dublin**

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**Albumin genetic variants**

Bisalbuminemia; Alloalbuminemia; Albumins IRE1 and IRE2; Albumin Dublin; Point mutations (Sakamoto, Ya. (204) 179)

**Albumins IRE1 and IRE2**

Bisalbuminemia; Alloalbuminemia; Albumin Dublin; Point mutations; Albumin genetic variants (Sakamoto, Ya. (204) 179)

**Alcohol**

$\delta$ -Aminolevulinic acid dehydratase; Enzyme inhibitor; Enzyme reactivator;  $\delta$ -Aminolevulinic acid; Coproporphyrin (Sieg, I. (202) 211)

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Hydroxyproline; Isoenzyme; Sick cell disease; Saudi Arabia (Mohammed, S.M. (203) 285)

**Alkaline phosphatase isozyme**

Intestinal alkaline phosphatase; ABO blood groups; Secretor phenotype; Monoclonal antibody (Domar, U. (203) 305)

**Allele specific oligonucleotide**

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**Alloalbuminemia**

Bisalbuminemia; Albumins IRE1 and IRE2; Albumin Dublin; Point mutations; Albumin genetic variants (Sakamoto, Ya. (204) 179)

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**Alzheimer's disease**

Aluminum; Zinc; Lipid peroxidation; Vitamin E (Haines, A. (198) 261)

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$\delta$ -Aminolevulinic acid dehydratase; Alcohol; Enzyme inhibitor; Enzyme reactivator; Coproporphyrin (Sieg, I. (202) 211)

 **$\delta$ -Aminolevulinic acid dehydratase**

Alcohol; Enzyme inhibitor; Enzyme reactivator;  $\delta$ -Aminolevulinic acid; Coproporphyrin (Sieg, I. (202) 211)

**Aminopeptidase**

Human kidney (Mantle, D. (196) 135)

Protease; Peptidase; Muscle (Mantle, D. (197) 35)

**Aminopeptidase A**

Serum (Okuyama, T. (196) 207)

**Aminopeptidase P**

Dipeptidyl peptidase IV; Leukocyte; Lymphocyte; Phytohemagglutinin stimulation (Hendriks, D. (196) 87)

**Aminopterin**

Methotrexate; Diarrhea; Small intestine; Prostaglandin; Rat (Weiler, H. (199) 283)

**Ammonia assay**

Ornithine carbamyl transferase; Liver mitochondria; Glutamate dehydrogenase; Mitochondrial aspartate aminotransferase (Peltenburg, H.G. (203) 395)

**Amniotic fluid**

Affinity chromatography; Immunoelectrophoresis; Pregnancy proteins (Sørensen, S. (202) 199)

Acetylcholinesterase; Butyrylcholinesterase; Choline; Enzyme electrode (Morelis, R.M. (203) 295)

 **$\alpha$ -Amylase**

3-Ketobutylidene  $\beta$ -2-chloro-4-nitrophenyl-maltopentaoside (Teshima, S. (199) 23)

**Amyloid**

beta-2-Microglobulin; Dementia; Dialysis (Annunziata, P. (201) 139)

**Amyloidosis**

Serum amyloid P component; Renal failure; Hemodialysis; Continuous ambulatory peritoneal dialysis (Nelson, S.R. (200) 191)

**Anaesthesia**

F-protein; Hepatitis; Liver; Halothane; Isoflurane (Cooper, C.M. (202) 73)

**Analgesic**

Polyprenoid; Exercise; Sauna (Roine, R. (204) 13)

**Angiotensin**

Diuretics; Kidney; Renin; Sodium; Urine (Boer, P. (199) 195)

**h-ANP**

In vitro stability; Aprotinin; Phosphoramidon (Artner-Dworzak, E. (203) 235)

**Anti-acetylcholine receptor antibody**

Anti-skeletal muscle antibody; *Myasthenia gravis*; Thymoma (Ohta, M. (201) 201)

**Antibody**

Celiac disease; Cellular immunity; Gluten; Gliadin; Wheat (Penttilä, I.A. (204) 95)

Celiac disease; Cellular immunity; Wheat; Cereals; Maize (Skerritt, J.H. (204) 109)

Molecular mimicry; Rheumatoid arthritis; BSA (Pérez-Maceda, B. (203) 153)

**Anticoagulants**

Plasma; Heparin; Free fatty acids (McGann, A.M. (197) 265)

**Antioxidant enzymes**

Asthma bronchiale; Red blood cells; Oxidative sensitivity; Lipid peroxidation (Novák, Z. (201) 247)

**Antioxidative enzymes**

Unstable hemoglobin; Free radicals; Peroxidation; Membrane fluidity; Splenectomy (Falcioni, G. (196) 153)

Erythrocyte; Down's syndrome; Proteolysis (Bartos, G. (198) 239)

**Anti-skeletal muscle antibody**

*Myasthenia gravis*; Thymoma; Anti-acetylcholine receptor antibody (Ohta, M. (201) 201)

 **$\alpha_1$ -Antitrypsin**

Elastase; Fulminant hepatic failure; Infection (Langley, P.G. (200) 211)

**Apo A1**

Apo B; Immunoturbidimetry; Rate nephelometry (Glueck, C.J. (197) 121)

**Apo B**

Apo A1; Immunoturbidimetry; Rate nephelometry (Glueck, C.J. (197) 121)

**Apoenzyme**

Erythrocyte; Transketolase; Thiamine diphosphate; Thiamine (Price, J. (202) 39)

**Apolipoprotein A**

Lecithin : cholesterol-acyltransferase; Glycation (Gugliucci, A. (204) 37)

**Apolipoprotein B**

DNA polymorphism; Coronary heart disease (Mendis, S. (196) 107)

Enzyme linked immunosorbent assay; Apolipoprotein E; Cerebrospinal fluid; Neurological diseases (Carlsson, J. (196) 167)

**Apolipoprotein E**

Genotype/phenotype; Diabetes mellitus (Snowden, C. (196) 49)

Enzyme linked immunosorbent assay; Apolipoprotein B; Cerebrospinal fluid; Neurological diseases (Carlsson, J. (196) 167)

Postmortem change; Storage; Isoelectric focusing; Immunoblotting (Lehtimäki, T. (203) 177)

**Apolipoprotein**

Turbidimetric immunoassay; Reference values; Age- and sex-related differences; Japanese subjects (Noma, A. (199) 147)

**Apoprotein**

Very low density lipoprotein; Lipoprotein lipase; Fatty acid (Saheki, S. (204) 155)

**Aprotinin**

h-ANP; In vitro stability; Phosphoramidon (Artner-Dworzak, E. (203) 235)

**Aqueous humor**

Glaucoma; Lysosomal enzymes; Cataracts (Weinreb, R.N. (199) 1)

**Arachidonic acid**

Cholesterol gallstones; Deoxycholic acid; Pigment gallstones (Van Erpecum, K.J. (199) 295)

Diabetes mellitus; Diabetic retinopathy; Eicosapentaenoic acid; Non-esterified fatty acid; Platelet aggregation (Myrup, B. (204) 251)

**Arachnoid**

Acute lymphoblastic leukemia; Corticosteroids; Fibroproliferative response; Intraspinal injections; Methotrexate (Vainionpää, L. (203) 47)

**Aryl-sulfatase**

Lysosomal enzymes;  $\beta$ -N-Acetylglucosaminidase;  $\beta$ -Glucuronidase; Saphen (Hayer, M. (203) 343)

**Arylsulfatase A**

Metachromatic leukodystrophy; Gaucher disease; Tay-Sachs disease; Polymerase chain reaction; Pseudodeficiency; Lysosomal disorders (Louie, E. (199) 7)

Cerebroside sulfatase; Arylsulfatase B; Metachromatic leukodystrophy; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency; Lymphoid cell lines (Tempesta, M.-C. (202) 149)

Radioimmunoassay; Serum concentration; Cancer (Laidler, P. (204) 69)

**Arylsulfatase B**

Arylsulfatase A; Cerebroside sulfatase; Metachromatic leukodystrophy; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency; Lymphoid cell lines (Tempesta, M.-C. (202) 149)

**Aspartoacylase**

Canavan's disease; Leukodystrophy; Spongy degeneration of brain (Barash, V. (201) 175)

**Asthma bronchiale**

Red blood cells; Oxidative sensitivity; Antioxidant enzymes; Lipid peroxidation (Novák, Z. (201) 247)

**Asthma**

Age;  $\alpha_2$ -Macroglobulin; Elastase (Kilroe-Smith, T.A. (202) 47)

**Asymptomatic Gaucher disease**

Urinary glucocerebrosidase; Gaucher disease; Carrier detection; Lysosomal storage disorder;  $\beta$ -Glucosidase; Glycosphingolipidosis (Aerts, J.M.F.G. (203) 349)

**Atherogenic risk factor**

Cerebrotendinous xanthomatosis; Serum lipid; Lipoprotein; Coronary artery disease; Atherosclerosis (Fujiyama, J. (200) 1)

**Atherosclerosis**

Cerebrotendinous xanthomatosis; Atherogenic risk factor; Serum lipid; Lipoprotein; Coronary artery disease (Fujiyama, J. (200) 1)

**Atherosclerotic**

Human aortic elastin; Lipid; Cation; Elastolysis (Saulnier, J.M. (200) 129)

**Atomic absorption spectrometry**

Iron; Serum; Deproteinization (De Benzo, Z.A. (197) 139)

**Atrial natriuretic peptide**

Cyclic guanosine monophosphate; Chronic obstructive pulmonary disease (Rota, M. (201) 75)

**Automated procedure**

$\beta$ -N-Acetylhexosaminidase; Human cerebrospinal fluid; Human serum; Multiple sclerosis (Datti, A. (200) 73)

**Autooxidation of L-3,4-dihydroxyphenylalanine to carbon monoxide**

Head-space gas chromatography; Oxidant/antioxidant properties of drugs (Cooper, M.J. (202) 105)

**Avidin-biotin**

Purine metabolism; Allele specific oligonucleotide; Dot-blot hybridization; Germline mutation; Urolithiasis; Chemiluminescence (Kawaguchi, R. (203) 183)

**Azopigments**

Bilirubin; Biliprotein; Gel-chromatography; Total bilirubin; Accuracy (Franzini, C. (203) 339)



# B

## Bacteremia

Creatine kinase; Activation energy; Infective endocarditis (De Scheerder, I.K. (197) 115)

## Bacterium BN11

Creatinine deiminase; Serum; Urine (Gottschalk, E.M. (204) 223)

## Band 3 protein

Erythrocyte; Hemoglobin; Aldolase (Retelew-ska, W. (198) 255)

## Beclomethasone

Bone alkaline phosphatase; Corticosteroid; Cyclosporin (Van Straalen, J.P. (201) 27)

## Benign clonal proliferations

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

## Betaine

Betaine:homocysteine methyltransferase; Lymphocyte; Fibroblast; Homocysteine; Vascular disease (Wang, J. (204) 239)

## Betaine:homocysteine methyltransferase

Lymphocyte; Fibroblast; Betaine; Homocysteine; Vascular disease (Wang, J. (204) 239)

## Bile acid biosynthesis

Cholesterol 7 $\alpha$ -hydroxylase; Lipid transfer protein, nonspecific; Gallstone (Kawata, S. (197) 201)

## Bile acids

Peroxisomal disorder; Inborn error; Zellweger syndrome; Peroxisome; Peroxisomal  $\beta$ -oxidation (Wanders, R.J.A. (202) 123)

Stable isotope labeling; Glycosylation (Matern, S. (203) 77)

## Biliprotein

Bilirubin; Azopigments; Gel-chromatography; Total bilirubin; Accuracy (Franzini, C. (203) 339)

## Bilirubin

Biliprotein; Azopigments; Gel-chromatography; Total bilirubin; Accuracy (Franzini, C. (203) 339)

## Bilirubin distribution

High-performance liquid chromatography (HPLC); Albumin;  $\beta$ -Lipoprotein (Šoltés, L. (201) 35)

## Biogenic amine

Phenethylamine; Hepatic encephalopathy; Liver cirrhosis; Liver disease (Yonekura, T. (199) 91)

## Biological fluids

Fluorescence assay; Fludarabine (Kemeny, A. (200) 95)

## Biological sample

Urobilinogen (urobilin) determination; Zinc complex (Kotal, P. (202) 1)

## Bioluminescence enzymatic analysis

Serum bile acid; Fluorescence enzymatic analysis; Gas chromatography-mass spectrometry (Rossi, S.S. (200) 63)

## Biotinidase

Isozyme; Isoform; Serum protein; Immunoblotting (Hart, P.S. (197) 257)

## Biotin

Immunochemical assay (Thuy, L.P. (202) 191)

## Bisalbuminemia

Alloalbuminemia; Albumins IRE1 and IRE2; Albumin Dublin; Point mutations; Albumin genetic variants (Sakamoto, Ya. (204) 179)

## Bismuth in blood and serum

Platinum; EAAS; Matrix modification; Storage (Slikkerveer, A. (201) 17)

## Blood

Electrophoresis; Ethanol; Fucose; Haptoglobin; Lectin; Tobacco (Thompson, S. (201) 59)

## Blood cells

Histiocytosis X; Monocyte; Lymphocyte; LDH; MDH (Perlino, E. (200) 153)

**Blood glycolic acid**

Glycolic acid; Glyoxylic acid; Primary hyperoxaluria; Oxalosis; Chronic renal failure (Petra-rulo, M. (196) 17)

**Blood sample**

Glyoxylase (McLellan, A.C. (204) 137)

**Blood serum**

Flow injection analysis; 8-Port injection valve; Glucose (Araujo, A.N. (203) 67)

**Boc-tyrosyl-peptidoglycan monomer**

Radioimmunoassay; Peptidoglycan monomer (Vranešić, B. (202) 23)

**Body fat distribution**

Obesity; Serum lipoprotein; Age (Sönnichsen, A.C. (202) 133)

**Bone alkaline phosphatase**

Corticosteroid; Cyclosporin; Beclomethasone (Van Straalen, J.P. (201) 27)

**Bone disease**

Alkaline phosphatase; Liver disease; Reference interval; Affinity chromatography; Immunoassay (Gonchoroff, D.G. (199) 43)

**Bone marrow transplantation**

Lactoferrin; Plasma lactoferrin; Enzyme immunoassay (Suzuki, T. (202) 111)

**Brain natriuretic peptide**

Congestive heart failure; Human spinal cord (Togashi, K. (201) 193)

**Breast cancer**

Tumor marker; Carcinoma associated mucin antigens; CA15-3; CEA (Dnistrian, A.M. (200) 81)

**Bromine**

VLDL-C; Triglycerides (Corrigan, F.M. (204) 301)

**Bronchial asthma**

Bronchoalveolar lavage; Epithelial lining fluid; Respiratory membrane permeability; Sarcoidosis; Pneumocystis carinii pneumonitis (Van de Graaf, E.A. (196) 27)

**Bronchoalveolar lavage**

Epithelial lining fluid; Respiratory membrane permeability; Sarcoidosis; Bronchial asthma; Pneumocystis carinii pneumonitis (Van de Graaf, E.A. (196) 27)

**BSA**

Molecular mimicry; Rheumatoid arthritis; Antibody (Pérez-Maceda, B. (203) 153)

**Butyrylcholinesterase**

Acetylcholinesterase; Amniotic fluid; Choline; Enzyme electrode (Morelis, R.M. (203) 295)

# C

## CA15-3

Breast cancer; Tumor marker; Carcinoma associated mucin antigens; CEA (Dnistrian, A.M. (200) 81)

## Calcium

Skeletal muscle; Damage; Cytosolic protein (Jackson, M.J. (197) 1)

Ion selective electrode; Saliva (Lagerlöf, F. (198) 175)

## Calcium binding protein

Vitamin D-dependent; Immunoassay (Zhu, Y. (201) 183)

## Calcium oxalate nephrolithiasis

Protein-bound Gla urinary content; Nephrocalcin; Calcium stone formation inhibitors (Colette, C. (204) 43)

## Calcium oxalates

Calculi; Raman (Sudlow, K. (203) 387)

## Calcium stone formation inhibitors

Protein-bound Gla urinary content; Calcium oxalate nephrolithiasis; Nephrocalcin (Colette, C. (204) 43)

## Calculi

Raman; Calcium oxalates (Sudlow, K. (203) 387)

## Canavan's disease

Aspartoacylase; Leukodystrophy; Spongy degeneration of brain (Barash, V. (201) 175)

## Cancer

Arylsulfatase A; Radioimmunoassay; Serum concentration (Laidler, P. (204) 69)

## Carcinoma associated mucin antigens

Breast cancer; Tumor marker; CA15-3; CEA (Dnistrian, A.M. (200) 81)

## Carnitine

Sudden infant death syndrome; Medium chain acylCoA dehydrogenase deficiency; Neonatal screening (Barns, R.J. (197) 27)

Isovaleric acidemia; Prenatal diagnosis; Tandem mass spectrometry (Shigematsu, Y. (203) 369)

Inherited metabolic disorder; Organic aciduria; Propionic acidemia; Methylmalonic aciduria; NMR spectroscopy (Davies, S.E.C. (204) 263)

## Carrier detection

Mevalonic aciduria; Cholesterol biosynthesis; Prenatal diagnosis; Stable isotope dilution assay (Hoffmann, G.F. (198) 209)

Urinary glucocerebrosidase; Gaucher disease; Asymptomatic Gaucher disease; Lysosomal storage disorder;  $\beta$ -Glucosidase; Glycosphingolipidosis (Aerts, J.M.F.G. (203) 349)

## Carrington's disease

Eosinophil-derived basic proteins; Urine; Ribonuclease activity (Deviller, P. (201) 105)

## Castleman disease

Hypogalactosylation; IgG; Oligosaccharide; Interleukin 6 (Nakao, H. (197) 221)

## Cataracts

Aqueous humor; Glaucoma; Lysosomal enzymes (Weinreb, R.N. (199) 1)

## Cation

Human aortic elastin; Atherosclerotic; Lipid; Elastolysis (Saulnier, J.M. (200) 129)

## <sup>14</sup>C-breath test

<sup>14</sup>CO<sub>2</sub>; <sup>14</sup>CO<sub>2</sub> collection system (Peled, Y. (202) 83)

## CEA

Breast cancer; Tumor marker; Carcinoma associated mucin antigens; CA15-3 (Dnistrian, A.M. (200) 81)

## Celiac disease

Cellular immunity; Antibody; Gluten; Gliadin; Wheat (Penttilä, I.A. (204) 95)

Cellular immunity; Antibody; Wheat; Cereals; Maize (Skerritt, J.H. (204) 109)

**Celite**

Norethindrone; Ethinyl estradiol; Radioimmunoassay; Sephadex LH-20; Chromatography (Zacur, H.A. (204) 209)

**Cell adhesion peptide**

Platelet aggregation; Fibronectin; Diabetic retinopathy; Glaucoma; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

**Cellular immunity**

Celiac disease; Antibody; Gluten; Gliadin; Wheat (Penttila, I.A. (204) 95)

Celiac disease; Antibody; Wheat; Cereals; Maize (Skerritt, J.H. (204) 109)

**Cereals**

Celiac disease; Cellular immunity; Antibody; Wheat; Maize (Skerritt, J.H. (204) 109)

**Cerebroside sulfatase**

Arylsulfatase A; Arylsulfatase B; Metachromatic leukodystrophy; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency; Lymphoid cell lines (Tempesta, M.-C. (202) 149)

**Cerebroside sulfate sulfatase**

[1-<sup>14</sup>C]Acyl-sphingosine-galactose-3-sulfate; Radioactive sulfatides; Radioscanning; Metachromatic leukodystrophy (Masson, M. (201) 157)

**Cerebrospinal fluid**

Enzyme linked immunosorbent assay; Apolipoprotein E; Apolipoprotein B; Neurological diseases (Carlsson, J. (196) 167)

Transthyretin; Prealbumin; ELISA (Vatassery, G.T. (197) 19)

Gangliosides; Sulfatide; Immunoaffinity; Cholera toxin; Monoclonal antibody (Davidsson, P. (197) 103)

gamma-Aminobutyric acid; Reference values; Childhood; Ion-exchange chromatography; Fluorescence detection (Carchon, H.A. (201) 83)

**Cerebrotendinous xanthomatosis**

(Kosaka, D. (199) 83)

Atherogenic risk factor; Serum lipid; Lipoprotein; Coronary artery disease; Atherosclerosis (Fujiyama, J. (200) 1)

**Ceruloplasmin activity**

Lactate; Acute organ system failure (Dauberschmidt, R. (199) 167)

 **$\Lambda\gamma^T$ -chain**

IEF; Hb F Sardinia;  $\beta$ -thalassemia; HPFH (Masala, B. (198) 195)

**Chemiluminescence**

Purine metabolism; Allele specific oligonucleotide; Dot-blot hybridization; Germline mutation; Urolithiasis; Avidin-biotin (Kawaguchi, R. (203) 183)

**Childhood**

gamma-Aminobutyric acid; Reference values; Cerebrospinal fluid; Ion-exchange chromatography; Fluorescence detection (Carchon, H.A. (201) 83)

**Children**

Lactase; Jejunal fluid; Tissue source (Quak, S.H. (204) 145)

**Chiral gas chromatography**

Amino acids; Short bowel syndrome (Ketting, D. (204) 79)

**Cholecystokinin**

Pancreatitis (Springer, C.J. (198) 245)

**Cholera toxin**

Cerebrospinal fluid; Gangliosides; Sulfatide; Immunoaffinity; Monoclonal antibody (Davidsson, P. (197) 103)

**Cholesterol**

Platelet activating factor (PAF); PAF acetylhydrolase; Low density lipoprotein; High density lipoprotein (Satoh, K. (202) 95)

**Cholesterol 7 $\alpha$ -hydroxylase**

Lipid transfer protein, nonspecific; Gallstone; Bile acid biosynthesis (Kawata, S. (197) 201)

**Cholesterol biosynthesis**

Mevalonic aciduria; Prenatal diagnosis; Carrier detection; Stable isotope dilution assay (Hoffmann, G.F. (198) 209)



**Cholesterol gallstones**

Arachidonic acid; Deoxycholic acid; Pigment gallstones (Van Erpecum, K.J. (199) 295)

**Cholesteryl ester**

Simvastatin; Lipoprotein metabolism; Compartmental analysis; Modelling; (human) (Magot, T. (196) 59)

**Cholic acid**

Deoxycholic acid (Fischer, S. (203) 269)

**Choline**

Acetylcholinesterase; Butyrylcholinesterase; Amniotic fluid; Enzyme electrode (Morelis, R.M. (203) 295)

**Chromatography**

Norethindrone; Ethinyl estradiol; Radioimmunoassay; Sephadex LH-20; Celite (Zacur, H.A. (204) 209)

**Chromogenic substrate**

Whole blood; Endotoxin;  $\beta$ -D-Glucan; Limulus test; Gram-negative bacterial sepsis (Tamura, H. (200) 35)

**Chronic bacterial infection**

$\alpha_1$ -Acid glycoprotein; Glycosylation; Acute bacterial infection (Fassbender, K. (203) 315)

**Chronic liver diseases**

Hepatic fibrosis; Procollagen III; Collagen peptidase (Müller, A. (197) 59)

**Chronic obstructive pulmonary disease**

Atrial natriuretic peptide; Cyclic guanosine monophosphate (Rota, M. (201) 75)

**Chronic renal failure**

Glycolic acid; Glyoxylic acid; Blood glycolic acid; Primary hyperoxaluria; Oxalosis (Petrarulo, M. (196) 17)

**Cigarette smoking**

Thiocyanate:creatinine ratio; Urine (Prje, J. (204) 87)

**Cigarettes low-yield**

Urine; Cotinine; HPLC; Colorimetric assay; Smoking (Kolonen, S.A. (196) 159)

**Cirrhosis**

Serum arylesterase; Monoclonal antibody; ELISA (Kawai, H. (202) 219)

**Clinical analysis**

Erythrocyte; Rheumatoid arthritis; Graves' Disease; Glutathione (Reglinski, J. (201) 45)

**Clonal progression**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

**Clonal proliferation**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

**Clonality**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

**Clostridia**

Sialidase (Neuraminidase); Sialidase antibodies; Myonecrosis, Diagnosis; ELISA; Patients (Roggentin, P. (196) 97)

**CMP-9-fluoresceinyl-NeuAc**

Sialyltransferase; Human plasma; Fluorometric assay; Acceptor specificity (Gross, H.J. (197) 237)

**$^{14}\text{CO}_2$** 

$^{14}\text{C}$ -breath test;  $^{14}\text{CO}_2$  collection system (Peled, Y. (202) 83)

**Coagulation**

Glycometabolic control; Fibrinolysis (Van Wersch, J.W.J. (201) 99)

 **$^{14}\text{CO}_2$  collection system**

$^{14}\text{C}$ -breath test;  $^{14}\text{CO}_2$  (Peled, Y. (202) 83)

**Collagen peptidase**

Hepatic fibrosis; Chronic liver diseases; Procollagen III (Müller, A. (197) 59)

**Collagenase**

Type III collagen; Collagenolytic enzyme; Fibril assay; Lung cancer (Kawamura, M. (203) 225)

**Collagenolytic enzyme**

Type III collagen; Collagenase; Fibril assay; Lung cancer (Kawamura, M. (203) 225)

**Colon**

Hydrogen sulphide; Sulphate reduction; Human feces; Sulphidogenesis; Methanogenesis (Florin, T.H.J. (196) 127)

Feces; Glycoconjugate; Glycoprotein; Mucin; Mucus (Clamp, J.R. (203) 243)

**Colorimetric assay**

Urine; Cotinine; HPLC; Smoking; Cigarettes low-yield (Kolonen, S.A. (196) 159)

**Compartmental analysis**

Cholesteryl ester; Simvastatin; Lipoprotein metabolism; Modelling; (human) (Magot, T. (196) 59)

**Computer-fitting**

Isoenzyme; Myocardial infarction; Human; Creatine kinase; Subform (Christenson, R.H. (200) 23)

**Concanavalin A**

$\alpha_1$ -Acid glycoprotein; Orosomucoid; Microheterogeneity; Human fetus (Seta, N. (203) 167)

**Congenital hypothyroidism**

Neonatal screening; Fluorometric enzyme immunoassay (Tuuminen, T. (202) 167)

**Congestive heart failure**

Brain natriuretic peptide; Human spinal cord (Togashi, K. (201) 193)

**Continuous ambulatory peritoneal dialysis**

Serum amyloid P component; Amyloidosis; Renal failure; Hemodialysis (Nelson, S.R. (200) 191)

**Contractile activity**

Creatine kinase release; Skeletal muscle; Rat (West-Jordan, J.A. (203) 119)

**Coproporphyrin**

$\delta$ -aminolevulinic acid dehydratase; Alcohol; Enzyme inhibitor; Enzyme reactivator;  $\delta$ -Aminolevulinic acid (Sieg, I. (202) 211)

**Coronary artery disease**

Cerebrotendinous xanthomatosis; Atherogenic risk factor; Serum lipid; Lipoprotein; Atherosclerosis (Fujiyama, J. (200) 1)

**Coronary heart disease**

Apolipoprotein B; DNA polymorphism (Mendis, S. (196) 107)

Hypercholesterolemia; Low density lipoprotein; Receptor (Joven, J. (197) 67)

Hypothyroidism; Subclinical hypothyroidism; Hyperlipoproteinemia; Thyroid-stimulating hormone (Glueck, C.J. (201) 113)

Lipid profiles; Low density lipoprotein cholesterol (LDLC); High density lipoprotein cholesterol (HDL); Lipid Research Clinics (LRC) cholesterol; Standardization program (Mace, R. (204) 189)

**Coronary heart disease (CHD)**

Hypercholesterolemia; HMG-CoA reductase inhibitor; Pravastatin; Lp (a); Acute-phase response (Fieseler, H.-G. (204) 291)

**Corticosteroid**

Bone alkaline phosphatase; Cyclosporin; Betamethasone (Van Straalen, J.P. (201) 27)

**Corticosteroids**

Acute lymphoblastic leukemia; Arachnoid; Fibroproliferative response; Intraspinal injections; Methotrexate (Vainionpää, L. (203) 47)

**Cot death**

3-Hydroxy-3-methylglutaric aciduria; Organic acids; Gas chromatography-mass spectrometry; Silylation; Derivatization; Urine analysis (Mills, G.A. (204) 131)

**Cotinine**

Urine; HPLC; Colorimetric assay; Smoking; Cigarettes low-yield (Kolonen, S.A. (196) 159)

**Coulter Counter**

Crystalluria; Microscopic examination (Hennequin, C. (200) 227)

**C-Peptide**

Rapid method; Radioimmunoassay; Plasma (Sælsen, L. (196) 1)

**Creatine kinase**

Macro creatine kinase; Creatine kinase isozyme; Creatine kinase subform; Immunoglobulin A; Immune complex (Kanemitsu, F. (197) 9)

Activation energy; Bacteremia; Infective endocarditis (De Scheerder, I.K. (197) 115)

Isoenzyme; Myocardial infarction; Human; Subform; Computer-fitting (Christenson, R.H. (200) 23)

**Creatine kinase isozyme**

Creatine kinase; Macro creatine kinase; Creatine kinase subform; Immunoglobulin A; Immune complex (Kanemitsu, F. (197) 9)

**Creatine kinase release**

Contractile activity; Skeletal muscle; Rat (West-Jordan, J.A. (203) 119)

**Creatine kinase subform**

Creatine kinase; Macro creatine kinase; Creatine kinase isozyme; Immunoglobulin A; Immune complex (Kanemitsu, F. (197) 9)

**Creatinine deiminase**

Serum; Urine; Bacterium BN11 (Gottschalk, E.M. (204) 223)

**Crossed affino-immunoelectrophoresis**

$\alpha_1$ -Acid glycoprotein; Elderly; Microheterogeneity (Kawerk, N. (202) 65)

**Crystal inhibitor**

Urolithiasis; Urine; *Proteus mirabilis*; Struvite; Pyrophosphate (McLean, R.J.C. (200) 107)

**Crystalluria**

Coulter Counter; Microscopic examination (Hennequin, C. (200) 227)

**Cultured GHRH-producing tumor cells**

GHRH(1-29)-Gly<sub>4</sub>-Cys-NH<sub>2</sub>; GHRH RIA; Plasma GHRH level (Zhang, C.-y. (202) 243)

**Cyclic guanosine monophosphate**

Atrial natriuretic peptide; Chronic obstructive pulmonary disease (Rota, M. (201) 75)

**Cyclodextrin**

Serum lipoprotein; Electrophoresis; Turbidimetry (Sharma, A. (199) 129)

**Cyclosporin**

Bone alkaline phosphatase; Corticosteroid; Betamethasone (Van Straalen, J.P. (201) 27)

**Cysteine**

Cystinuria; Cystine; HPLC (Birwé, H. (199) 33)

**Cystic fibrosis**

Peroxide-induced haemolysis; Vitamin E (James, D.R. (204) 279)

**Cystine**

Cystinuria; Cysteine; HPLC (Birwé, H. (199) 33)

**Cystinuria**

Cysteine; Cystine; HPLC (Birwé, H. (199) 33)

**Cytochrome c**

X-linked muscular dystrophy; Respiratory chain (Nigro, G. (202) 89)

**Cytokine**

Neopterin; Pterins; Inflammatory disease; Interferon (Müller, M.M. (201) 1)

**Cytosolic protein**

Skeletal muscle; Damage; Calcium (Jackson, M.J. (197) 1)

# D

## Damage

Skeletal muscle; Cytosolic protein; Calcium (Jackson, M.J. (197) 1)

## Dementia

beta-2-Microglobulin; Amyloid; Dialysis (Annunziata, P. (201) 139)

## Density gradient ultracentrifugation

Familial hypercholesterolemia; LDL subfractions; Sex difference (Tilly-Kiesi, M.K. (201) 65)

## Deoxycholic acid

Arachidonic acid; Cholesterol gallstones; Pigment gallstones (Van Erpecum, K.J. (199) 295)

Cholic acid (Fischer, S. (203) 269)

## Deproteinization

Iron; Serum; Atomic absorption spectrometry (De Benzo, Z.A. (197) 139)

## Derivatization

3-Hydroxy-3-methylglutaric aciduria; Organic acids; Gas chromatography-mass spectrometry; Silylation; Urine analysis; Cot death (Mills, G.A. (204) 131)

## Detection limit

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism (Van Dongen, J.J.M. (198) 1)

## Detoxification enzymes

Myocardial infarction; Lipid peroxide; Malondialdehyde (Loeper, J. (196) 119)

## Dextran-sulfate

Homozygous familial hypercholesterolemia; LDL-apheresis; Fibronectin (Erlach, D. (201) 169)

## Diabetes

$\beta$ -Hexosaminidase; Isoenzymes; Nephropathy; Plasma; Retinopathy (Hultberg, B. (196) 177)

## Diabetes mellitus

Apolipoprotein E; Genotype/phenotype (Snowden, C. (196) 49)

Arachidonic acid; Diabetic retinopathy; Eicosapentaenoic acid; Non-esterified fatty acid; Platelet aggregation (Myrup, B. (204) 251)

## Diabetic control

Glycated albumin (Johnson, R.N. (198) 229)

## Diabetic nephropathy

Serum laminin; Minimal change nephrosis; Membranous glomerulonephritis; Lupus nephritis; Renal cell carcinoma (Horikoshi, S. (196) 185)

## Diabetic retinopathy

Platelet aggregation; Fibronectin; Cell adhesion peptide; Glaucoma; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

Arachidonic acid; Diabetes mellitus; Eicosapentaenoic acid; Non-esterified fatty acid; Platelet aggregation (Myrup, B. (204) 251)

## Dialysis

beta-2-Microglobulin; Amyloid; Dementia (Annunziata, P. (201) 139)

## Diamine oxidase

[ $^{14}$ C]Putrescine (Smith, C.H. (201) 89)

## Diarrhea

Aminopterin; Methotrexate; Small intestine; Prostaglandin; Rat (Weiler, H. (199) 283)

## Diffuse idiopathic skeletal hyperostosis

Retinoic acid isomers; Retinol; Vitamin A (Periquet, B. (203) 57)

## Dipeptidase

Serum carnosinase (Jackson, M.C. (196) 193)



**Dipeptidyl peptidase IV**

Aminopeptidase P; Leukocyte; Lymphocyte; Phytohemagglutinin stimulation (Hendriks, D. (196) 87)

**Discrete type autoanalyzer**

Plasma prekallikrein; Plasma kallikrein-kinin system; *Pseudomonas aeruginosa* elastase (Shibuya, Y. (200) 119)

**Discriminant analysis**

Recursive partitioning; Statistics; Hypercalcemia (Lacher, D.A. (204) 199)

**Diuretics**

Angiotensin; Kidney; Renin; Sodium; Urine (Boer, P. (199) 195)

**Diurnal variation**

$\alpha_1$ -Microglobulin; Osmolality (Itoh, Y. (201) 123)

**DNA extraction**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

**DNA polymorphism**

Apolipoprotein B; Coronary heart disease (Mendis, S. (196) 107)

**DNA probes**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; South-

ern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

**Dolichylmonophosphate**

Glycosylation; Mitochondria; Microsome; Muscle; Myopathy (Gasnier, F. (199) 69)

**Dot-blot hybridization**

Purine metabolism; Allele specific oligonucleotide; Germline mutation; Urolithiasis; Avidin-biotin; Chemiluminescence (Kawaguchi, R. (203) 183)

**Down's syndrome**

Erythrocyte; Proteolysis; Antioxidative enzymes (Bartosch, G. (198) 239)

**Dried blood spots**

Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency;  $\beta$ -Oxidation defect; G985 MCAD mutation; G985 polymerase chain reaction (PCR) assay (Gegersen, N. (203) 23)

**Drug interference**

*p*-Aminobenzoic acid; *p*-Aminosalicylic acid; Fluorescence; HPLC; Pancreatic function testing (Pemberton, P.W. (199) 253)

**Dual-wavelength spectrophotometry**

Serum zinc; Highly sensitive reagent; Microwell plates; Masking and demasking system; Pediatric chemistry (Makino, T. (197) 209)

# E

## EAAS

Bismuth in blood and serum; Platinum; Matrix modification; Storage (Slikkerveer, A. (201) 17)

## Ecdysteroids

Helminthiasis; Human urine (Gharib, B. (199) 159)

## Eicosapentaenoic acid

Arachidonic acid; Diabetes mellitus; Diabetic retinopathy; Non-esterified fatty acid; Platelet aggregation (Myrup, B. (204) 251)

## Elastase

Fulminant hepatic failure; Infection;  $\alpha_1$ -Antitrypsin (Langley, P.G. (200) 211)

Asthma; Age;  $\alpha_2$ -Macroglobulin (Kilroe-Smith, T.A. (202) 47)

## Elastolysis

Human aortic elastin; Atherosclerotic; Lipid; Cation (Saulnier, J.M. (200) 129)

## Elderly

$\alpha_1$ -Acid glycoprotein; Microheterogeneity; Crossed affino-immunoelectrophoresis (Kawerk, N. (202) 65)

## Electrophoresis

Cyclodextrin; Serum lipoprotein; Turbidimetry (Sharma, A. (199) 129)

Agarose gel; Glucose-6-phosphate dehydrogenase (Forbes, J. (199) 279)

Blood; Ethanol; Fucose; Haptoglobin; Lectin; Tobacco (Thompson, S. (201) 59)

## ELISA

Sialidase (Neuraminidase); Sialidase antibodies; Clostridia; Myonecrosis; Diagnosis; Patients (Roggentin, P. (196) 97)

Transthyretin; Prealbumin; Cerebrospinal fluid (Vatassery, G.T. (197) 19)

Acute intermittent porphyria; Erythrocyte; Lymphocyte; Porphobilinogen deaminase (Lilius, L. (197) 77)

Tumor marker; Nucleoside; Urine; Human; 1-Methylinosine (D'Ambrosio, S.M. (199) 119)

Serum arylesterase; Cirrhosis; Monoclonal antibody (Kawai, H. (202) 219)

## Endotoxin

Whole blood;  $\beta$ -D-Glucan; Limulus test; Chromogenic substrate; Gram-negative bacterial sepsis (Tamura, H. (200) 35)

## Enzymatic assay

Sialidase; Lectin (Lambré, C.R. (198) 183)

Phenylketonuria; Monitoring; Plasma phenylalanine (Wendel, U. (201) 95)

Guanidinoacetic acid; Guanidinoacetate kinase; Urine (Shirokane, Y. (202) 227)

## Enzyme

Hexosaminidase A; Lysosome; Acid hydrolases; Tay-Sachs disease; Genetic diseases (Den Tandt, W.R. (199) 231)

## Enzyme electrode

Acetylcholinesterase; Butyrylcholinesterase; Amniotic fluid; Choline (Morelis, R.M. (203) 295)

## Enzyme immunoassay

Total thyroxine; UltramicroElisa; Ultramicroanalytical system;  $\beta$ -Galactosidase conjugate; Hypothyroidism (Gonzalez, R.R. (197) 159)

Lactoferrin; Bone marrow transplantation; Plasma lactoferrin (Suzuki, T. (202) 111)

Integrins; Monoclonal antibodies; Liver disease (Katayama, M. (202) 179)

## Enzyme inhibitor

$\delta$ -Aminolevulinic acid dehydratase; Alcohol; Enzyme reactivator;  $\delta$ -Aminolevulinic acid; Coproporphyrin (Sieg, I. (202) 211)

**Enzyme-linked antiglobulin test**

Acetylcholinesterase; Enzyme linked immunosorbent assay (Jones, J.W. (200) 175)

**Enzyme linked immunosorbent assay**

Apolipoprotein E; Apolipoprotein B; Cerebrospinal fluid; Neurological diseases (Carlsson, J. (196) 167)

Monoclonal antibodies; Plasma cholinesterase; Pregnancy, Puerperium (Whittaker, M. (199) 223)

Pro-colipase activation peptide; Satiety; Acute pancreatitis (Bowyer, R.C. (200) 137)

Acetylcholinesterase; Enzyme-linked antiglobulin test (Jones, J.W. (200) 175)

**Enzyme reactivator**

$\delta$ -Aminolevulinic acid dehydratase; Alcohol; Enzyme inhibitor;  $\delta$ -Aminolevulinic acid; Coproporphyrin (Sieg, I. (202) 211)

**Eosinophil-derived basic proteins**

Carrington's disease; Urine; Ribonuclease activity (Deviller, P. (201) 105)

**Epithelial lining fluid**

Bronchoalveolar lavage; Respiratory membrane permeability; Sarcoidosis; Bronchial asthma; Pneumocystis carinii pneumonitis (Van de Graaf, E.A. (196) 27)

**Erythrocyte membrane (human)**

Spectrin; Quantitative analysis; SDS-PAGE; Pancreatic trypsin inhibitor (Kunitz); Internal standard (Yoshida, H. (199) 99)

**Erythrocyte**

Aging; Potassium; Sodium; Sodium transport (Heseltine, D. (196) 41)

Acute intermittent porphyria; ELISA; Lymphocyte; Porphobilinogen deaminase (Lilius, L. (197) 77)

Down's syndrome; Proteolysis; Antioxidative enzymes (Bartosz, G. (198) 239)

Band 3 protein; Hemoglobin; Aldolase (Retelewska, W. (198) 255)

Hereditary spherocytosis; Membrane protein; Proteolytic susceptibility (Gaczyńska, M. (198) 267)

Pyrimidine 5'-nucleotidase; Fast electrophoretic mobility (Li, J.-Y. (200) 43)

Clinical analysis; Rheumatoid arthritis; Graves' Disease; Glutathione (Reglinski, J. (201) 45)

Transketolase; Apoenzyme; Thiamine diphosphate; Thiamine (Price, J. (202) 39)

**Ethanol**

Blood; Electrophoresis; Fucose; Haptoglobin; Lectin; Tobacco (Thompson, S. (201) 59)

**Ethinyl estradiol**

Norethindrone; Radioimmunoassay; Sephadex LH-20; Celite; Chromatography (Zacur, H.A. (204) 209)

**Ethylene diamine tetraacetic acid-infusion test**

Intact parathyroid hormone assay; Mid region parathyroid hormone; Hyperthyroidism (Bergenfels, A. (197) 229)

**Exercise**

Polyprenoid; Analgesic; Sauna (Roine, R. (204) 13)

**Extracellular fluid space**

Inulin assay; High-performance liquid chromatography; Glomerular filtration rate; Inulin kinetics (Ruo, T.I. (204) 217)

# F

## Familial hypercholesterolemia

Density gradient ultracentrifugation; LDL sub-fractions; Sex difference (Tilly-Kiesi, M.K. (201) 65)

## Fast electrophoretic mobility

Erythrocyte; Pyrimidine 5'-nucleotidase (Li, J.-Y. (200) 43)

## Fasting blood glucose

Fructosamine; Haemoglobin A<sub>1</sub>; Type 2 diabetes (MacRury, S.M. (199) 51)

## Fatty acid

Liver; Triglyceride; Reye's syndrome; Hepatic desaturase (Kang, E.S. (204) 167)

Phospholipids; Silica Sep-Pak cartridge (Ellin, Å. (200) 59)

Very low density lipoprotein; Lipoprotein lipase; Apoprotein (Saheki, S. (204) 155)

## Fatty acid composition

Insulin; Glycemic clamp (Pelikánová, T. (203) 329)

## n-3 fatty acids

Fish oil; Lp (a) (Berg Schmidt, E. (198) 271)

## Feces

Colon; Glycoconjugate; Glycoprotein; Mucin; Mucus (Clamp, J.R. (203) 243)

## Fibril assay

Type III collagen; Collagenolytic enzyme; Collagenase; Lung cancer (Kawamura, M. (203) 225)

## Fibrinolysis

Glycometabolic control; Coagulation (Van Wersch, J.W.J. (201) 99)

## Fibroblast

Betaine:homocysteine methyltransferase; Lymphocyte; Betaine; Homocysteine; Vascular disease (Wang, J. (204) 239)

## Fibronectin

Platelet aggregation; Cell adhesion peptide; Diabetic retinopathy; Glaucoma; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

Homozygous familial hypercholesterolemia; LDL-apheresis; Dextran-sulfate (Erlich, D. (201) 169)

## Fibroproliferative response

Acute lymphoblastic leukemia; Arachnoid; Corticosteroids; Intraspinal injections; Methotrexate (Vainionpää, L. (203) 47)

## Fish oil

n-3 fatty acids; Lp (a) (Berg Schmidt, E. (198) 271)

## Flow injection analysis

8-Port injection valve; Glucose; Blood serum (Araujo, A.N. (203) 67)

## Fludarabine

Fluorescence assay; Biological fluids (Kemena, A. (200) 95)

## Fluorescence

*p*-Aminobenzoic acid; *p*-Aminosalicylic acid; Drug interference; HPLC; Pancreatic function testing (Pemberton, P.W. (199) 253)

## Fluorescence assay

Fludarabine; Biological fluids (Kemena, A. (200) 95)

## Fluorescence detection

gamma-Aminobutyric acid; Reference values; Cerebrospinal fluid; Childhood; Ion-exchange chromatography (Carchon, H.A. (201) 83)

## Fluorescence enzymatic analysis

Serum bile acid; Bioluminescence enzymatic analysis; Gas chromatography-mass spectrometry (Rossi, S.S. (200) 63)

## Fluorometric assay

Sialyltransferase; Human plasma; CMP-9-fluoresceinyl-NeuAc; Acceptor specificity (Gross, H.J. (197) 237)



**Fluorometric enzyme immunoassay**

Neonatal screening; Congenital hypothyroidism (Tuuminen, T. (202) 167)

**F-protein**

Anaesthesia; Hepatitis; Liver; Halothane; Isoflurane (Cooper, C.M. (202) 73)

**Free cortisol**

Free steroid; Free prednisolone; Ultrafiltration; Ultracentrifugation (Adachi, K. (200) 13)

**Free fatty acids**

Rat; Hepatic encephalopathy; Liver ischemia; Porta caval shunt (Smit, J.J.H. (197) 95)

Plasma; Heparin; Anticoagulants (McGann, A.M. (197) 265)

Lipolysis; Beta-2 receptor tolerance; Triglyceride (Kendall, M.J. (204) 51)

**Free prednisolone**

Free steroid; Free cortisol; Ultrafiltration; Ultracentrifugation (Adachi, K. (200) 13)

**Free radicals**

Unstable hemoglobin; Peroxidation; Antioxidative enzymes; Membrane fluidity; Splenectomy (Falcioni, G. (196) 153)

**Free secretory component**

Human bile FSC; Human serum FSC; pIgA receptor; pIgA transcytic pathway; FSC in liver disease (Perez, J.H. (197) 171)

**Free steroid**

Free cortisol; Free prednisolone; Ultrafiltration; Ultracentrifugation (Adachi, K. (200) 13)

**Fructosamine**

Haemoglobin A<sub>1</sub>; Fasting blood glucose; Type 2 diabetes (MacRury, S.M. (199) 51)

**Fructosamine**

Multiple myeloma; Serum protein; Glucose metabolism (Montagna, M.P. (204) 123)

**FSC in liver disease**

Free secretory component; Human bile FSC; Human serum FSC; pIgA receptor; pIgA transcytic pathway (Perez, J.H. (197) 171)

**Fucose**

Blood; Electrophoresis; Ethanol; Haptoglobin; Lectin; Tobacco (Thompson, S. (201) 59)

**Fulminant hepatic failure**

Elastase; Infection;  $\alpha_1$ -Antitrypsin (Langley, P.G. (200) 211)

# G

## Galactosialidosis

Sialidosis; Oligosaccharide; Subtype (Takahashi, Y. (203) 199)

## $\beta$ -Galactosidase conjugate

Total thyroxine; Enzyme immunoassay; UltramicroElisa; Ultramicroanalytical system; Hypothyroidism (Gonzalez, R.R. (197) 159)

## Gallstone

Cholesterol 7 $\alpha$ -hydroxylase; Lipid transfer protein, nonspecific; Bile acid biosynthesis (Kawata, S. (197) 201)

## Gangliosides

Cerebrospinal fluid; Sulfatide; Immunoaffinity; Cholera toxin; Monoclonal antibody (Davidsson, P. (197) 103)

## Gas chromatography

Lignan; Genistein; Isoflavonoids; Mass spectrometry (Adlercreutz, H. (199) 263)

## Gas chromatography-mass spectrometry

Serum bile acid; Bioluminescence enzymatic analysis; Fluorescence enzymatic analysis (Rossi, S.S. (200) 63)

3-Hydroxy-3-methylglutaric aciduria; Organic acids; Silylation; Derivatization; Urine analysis; Cot death (Mills, G.A. (204) 131)

## Gas-liquid chromatography

Neutral steroids; Profiles; Urine; Mass spectrometry; Oxytetracycline (Hämäläinen, E. (199) 205)

## Gaucher disease

Metachromatic leukodystrophy; Tay-Sachs disease; Polymerase chain reaction; Arylsulfatase A; Pseudodeficiency; Lysosomal disorders (Louie, E. (199) 7)

beta-Hexosaminidase (Natowicz, M.R. (203) 17)

Urinary glucocerebrosidase; Asymptomatic Gaucher disease; Carrier detection; Lysosomal storage disorder;  $\beta$ -Glucosidase; Glycosphingolipidosis (Aerts, J.M.F.G. (203) 349)

## GC/MS

Inborn error; MCAD; Skin fibroblasts; Mitochondrial  $\beta$ -oxidation (Niezen-Koning, K.E. (199) 173)

## Gel electrophoresis and chromatography

LBSA determination; Serum glycoproteins; Lipid analysis (Végh, Z. (203) 259)

## Gel-chromatography

Bilirubin; Biliprotein; Azopigments; Total bilirubin; Accuracy (Franzini, C. (203) 339)

## Gene rearrangement

Immunoglobulin genes; T cell receptor genes; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Immunoglobulin genes; T cell receptor genes; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

## Genetic diseases

Hexosaminidase A; Enzyme; Lysosome; Acid hydrolases; Tay-Sachs disease (Den Tandt, W.R. (199) 231)

## Genetic polymorphism

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Detection limit (Van Dongen, J.J.M. (198) 1)

## Genetics

Heritable disorder; Alkaline phosphatase; Phosphate; Phosphoethanolamine (Macfarlane, J.D. (202) 141)

**Genistein**

Lignan; Isoflavonoids; Gas chromatography; Mass spectrometry (Adlercreutz, H. (199) 263)

**Genotype/phenotype**

Apolipoprotein E; Diabetes mellitus (Snowden, C. (196) 49)

**Germline mutation**

Purine metabolism; Allele specific oligonucleotide; Dot-blot hybridization; Urolithiasis; Avidin-biotin; Chemiluminescence (Kawaguchi, R. (203) 183)

**GHRH RIA**

GHRH(1-29)-Gly<sub>4</sub>-Cys-NH<sub>2</sub>; Plasma GHRH level; Cultured GHRH-producing tumor cells (Zhang, C.-y. (202) 243)

**GHRH(1-29)-Gly<sub>4</sub>-Cys-NH<sub>2</sub>**

GHRH RIA; Plasma GHRH level; Cultured GHRH-producing tumor cells (Zhang, C.-y. (202) 243)

**Glaucoma**

Platelet aggregation; Fibronectin; Cell adhesion peptide; Diabetic retinopathy; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

Aqueous humor; Lysosomal enzymes; Cataracts (Weinreb, R.N. (199) 1)

**Gliadin** Celiac disease; Cellular immunity; Antibody; Gluten; Wheat (Penttilä, I.A. (204) 95)

**Glomerular filtration rate**

Inulin assay; High-performance liquid chromatography; Extracellular fluid space; Inulin kinetics (Ruo, T.I. (204) 217)

 **$\beta$ -D-Glucan**

Whole blood; Endotoxin; Limulus test; Chromogenic substrate; Gram-negative bacterial sepsis (Tamura, H. (200) 35)

**N-acetyl- $\beta$ -D-Glucosaminidase isoenzyme**

Monocyte-derived macrophage; Zymosan; Interferon- $\gamma$  (Bourbouze, R. (199) 185)

**Glucose metabolism**

Multiple myeloma; Serum protein; Fructosamine (Montagna, M.P. (204) 123)

**Glucose-6-phosphate dehydrogenase**

Agarose gel; Electrophoresis (Forbes, J. (199) 279)

**Glucose**

Flow injection analysis; 8-Port injection valve; Blood serum (Araujo, A.N. (203) 67)

 **$\beta$ -Glucosidase**

Urinary glucocerebrosidase; Gaucher disease; Asymptomatic Gaucher disease; Carrier detection; Lysosomal storage disorder; Glycosphingolipidosis (Aerts, J.M.F.G. (203) 349)

 **$\beta$ -Glucuronidase**

AIDS; Human immunodeficiency virus (Saha, A.K. (199) 311)

Lysosomal enzymes;  $\beta$ -N-Acetylglucosaminidase; Aryl-sulfatase; Saphen (Hayer, M. (203) 343)

**Glutamate dehydrogenase**

Ornithine carbamyl transferase; Liver mitochondria; Ammonia assay; Mitochondrial aspartate aminotransferase (Peltenburg, H.G. (203) 395)

 **$\gamma$ -Glutamyl transpeptidase**

Human submandibular gland enzyme (Sajjan, A.R. (197) 131)

Head and neck cancer; TNM stage; radiotherapy (Singh, J. (203) 375)

**Glutathione**

Erythrocyte; Clinical analysis; Rheumatoid arthritis; Graves' Disease (Reglinski, J. (201) 45)

**Glutathione cycle**

Polymorphonuclear leucocytes; Neutrophils; Hydrogen peroxide; Respiratory burst; Photometric assay (Negri, M. (199) 305)

**Glutathione peroxidase**

Selenium; Primary biliary cirrhosis (Välimäki, M. (196) 7)

**Gluten**

Celiac disease; Cellular immunity; Antibody; Gliadin; Wheat (Penttilä, I.A. (204) 95)

**Glycan**

$\alpha_1$ -Acid glycoprotein; Pregnancy (Biou, D. (204) 1)

**Glycated albumin**

Diabetic control (Johnson, R.N. (198) 229)

Glycated protein; Urine protein; m-Aminophenyl boronate affinity chromatography (Silver, A.C. (202) 11)

**Glycated hemoglobin**

Hypoglycemia; Hyperinsulinism (Niketić, V. (197) 47)

**Glycated protein**

Glycated albumin; Urine protein; m-Aminophenyl boronate affinity chromatography (Silver, A.C. (202) 11)

**Glycation**

Lecithin : cholesterol-acyltransferase; Apolipoprotein A<sub>1</sub> (Gugliucci, A. (204) 37)

**Glycemic clamp**

Insulin; Fatty acid composition (Pelikánová, T. (203) 329)

**Glycerol kinase deficiency**

Urinary metabolic screening; Inborn errors of metabolism; Glycerol (Kohlschütter, A. (198) 203)

**Glycerol**

Urinary metabolic screening; Inborn errors of metabolism; Glycerol kinase deficiency (Kohlschütter, A. (198) 203)

**Glycoconjugate**

Colon; Feces; Glycoprotein; Mucin; Mucus (Clamp, J.R. (203) 243)

**Glycolic acid**

Glyoxylic acid; Blood glycolic acid; Primary hyperoxaluria; Oxalosis; Chronic renal failure (Petrarulo, M. (196) 17)

**Glycometabolic control**

Coagulation; Fibrinolysis (Van Wersch, J.W.J. (201) 99)

**Glycoprotein**

Colon; Feces; Glycoconjugate; Mucin; Mucus (Clamp, J.R. (203) 243)

**Glycoprotein degradation**

HPLC; Urinary oligosaccharides (Hommes, F.A. (203) 211)

**Glycosphingolipidosis**

Urinary glucocerebrosidase; Gaucher disease; Asymptomatic Gaucher disease; Carrier detection; Lysosomal storage disorder;  $\beta$ -Glucosidase (Aerts, J.M.F.G. (203) 349)

**Glycosylation**

Dolichylmonophosphate; Mitochondria; Microsome; Muscle; Myopathy (Gasnier, F. (199) 69)

Stable isotope labeling; Bile acids (Matern, S. (203) 77)

$\alpha_1$ -Acid glycoprotein; Acute bacterial infection; Chronic bacterial infection (Fassbender, K. (203) 315)

**Glyoxylase**

Blood sample (McLellan, A.C. (204) 137)

**Glyoxylic acid**

Glycolic acid; Blood glycolic acid; Primary hyperoxaluria; Oxalosis; Chronic renal failure (Petrarulo, M. (196) 17)

**Gout**

High-performance liquid chromatography; Phosphoribosylpyrophosphate synthetase; Pyrimidine 5'-nucleotidase deficiency (Sakuma, R. (203) 143)

**Gram-negative bacterial sepsis**

Whole blood; Endotoxin;  $\beta$ -D-Glucan; Limulus test; Chromogenic substrate (Tamura, H. (200) 35)

**Granulocytes**

$\alpha_2$ -Macroglobulin; Oxygen radicals; Reperfusion injury (Donnelly, P.K. (202) 55)

**Graphite furnace atomic absorption spectrometry**

Thallium determination; Palladium chemical modification; Sodium chloride interference; Urine, blood analysis (Yang, Q. (204) 23)

**Graves' Disease**

Erythrocyte; Clinical analysis; Rheumatoid arthritis; Glutathione (Reglinski, J. (201) 45)

**Guanidinoacetate kinase**

Guanidinoacetic acid; Enzymatic assay; Urine (Shirokane, Y. (202) 227)



**Guanidinoacetic acid**

Guanidinoacetate kinase; Enzymatic assay;  
Urine (Shirokane, Y. (202) 227)

**Gynecological surgery**

Plasma glycine; HPLC (Sherwood, R.A. (203)  
275)

# H

## Haemoglobin A<sub>1</sub>

Fructosamine; Fasting blood glucose; Type 2 diabetes (MacRury, S.M. (199) 51)

## Halothane

Malignant hyperthermia; Sarcolemma and sarcoplasmic reticulum pig muscular membrane; Spin labeling (Thomas, M.A. (200) 201)

Anaesthesia; F-protein; Hepatitis; Liver; Isoflurane (Cooper, C.M. (202) 73)

## Haptoglobin

Blood; Electrophoresis; Ethanol; Fucose; Lectin; Tobacco (Thompson, S. (201) 59)

## Hb F Sardinia

IEF;  $\gamma^T$ -chain;  $\beta$ -thalassemia; HPFH (Masala, B. (198) 195)

## Head and neck cancer

$\gamma$ -Glutamyl transpeptidase; TNM stage; radiotherapy (Singh, J. (203) 375)

## Head-space gas chromatography

Autooxidation of L-3,4-dihydroxyphenylalanine to carbon monoxide; Oxidant/antioxidant properties of drugs (Cooper, M.J. (202) 105)

## Helminthiasis

Ecdysteroids; Human urine (Gharib, B. (199) 159)

## Hemodialysis

Serum amyloid P component; Amyloidosis; Renal failure; Continuous ambulatory peritoneal dialysis (Nelson, S.R. (200) 191)

## Hemoglobin

Erythrocyte; Band 3 protein; Aldolase (Retelewska, W. (198) 255)

## Heparin

Plasma; Anticoagulants; Free fatty acids (McGann, A.M. (197) 265)

## Hepatic desaturase

Liver; Triglyceride; Fatty acids; Reye's syndrome (Kang, E.S. (204) 167)

## Hepatic encephalopathy

Free fatty acids; Rat; Liver ischemia; Porta caval shunt (Smit, J.J.H. (197) 95)

Phenethylamine; Biogenic amine; Liver cirrhosis; Liver disease (Yonekura, T. (199) 91)

## Hepatic fibrosis

Chronic liver diseases; Procollagen III; Collagen peptidase (Müller, A. (197) 59)

## Hepatitis

Anaesthesia; F-protein; Liver; Halothane; Isoflurane (Cooper, C.M. (202) 73)

## Hereditary spherocytosis

Erythrocyte; Membrane protein; Proteolytic susceptibility (Gaczyńska, M. (198) 267)

## Heritable disorder

Genetics; Alkaline phosphatase; Phosphate; Phosphoethanolamine (Macfarlane, J.D. (202) 141)

## Heterozygous $\beta$ -thalassaemia

Serum isofoerritin; Spectrotype; Multivariate analysis (Lasne, Y. (197) 85)

## Hexosaminidase A

Enzyme; Lysosome; Acid hydrolases; Tay-Sachs disease; Genetic diseases (Den Tandt, W.R. (199) 231)

## $\beta$ -Hexosaminidase

Diabetes; Isoenzymes; Nephropathy; Plasma; Retinopathy (Hultberg, B. (196) 177)

Gaucher disease (Natowicz, M.R. (203) 17)

## High density lipoprotein cholesterol (HDL)

Lipid profiles; Low density lipoprotein cholesterol (LDL); Coronary heart disease; Lipid Research Clinics (LRC) cholesterol; Standardization program (Mace, R. (204) 189)

**High density lipoprotein**

Platelet activating factor (PAF); PAF acetylhydrolase; Low density lipoprotein; Cholesterol (Sato, K. (202) 95)

**Highly sensitive reagent**

Serum zinc; Microwell plates; Dual-wavelength spectrophotometry; Masking and demasking system; Pediatric chemistry (Makino, T. (197) 209)

**High-performance liquid chromatography**

Inulin assay; Glomerular filtration rate; Extracellular fluid space; Inulin kinetics (Ruo, T.I. (204) 217)

**High-performance liquid chromatography (HPLC)**

Bilirubin distribution; Albumin;  $\beta$ -Lipoprotein (Soltés, L. (201) 35)

Phosphoribosylpyrophosphate synthetase; Gout; Pyrimidine 5'-nucleotidase deficiency (Sakuma, R. (203) 143)

**Histaminemia**

Sickle cell anaemia; Hypohistidinemia (Enwonwu, C.O. (203) 363)

**Histiocytosis X**

Blood cells; Monocyte; Lymphocyte; LDH; MDH (Perlino, E. (200) 153)

**HMG-CoA reductase inhibitor**

Hypercholesterolemia; Pravastatin; Lp (a); Acute-phase response; Coronary heart disease (CHD) (Fieseler, H.-G. (204) 291)

**Homocysteine**

Betaine:homocysteine methyltransferase; Lymphocyte; Fibroblast; Betaine; Vascular disease (Wang, J. (204) 239)

**Homozygous familial hypercholesterolemia**

LDL-apheresis; Fibronectin; Dextran-sulfate (Erich, D. (201) 169)

**HPFH**

IEF; Hb F Sardinia;  $A\gamma^T$ -chain;  $\beta$ -thalassemia (Masala, B. (198) 195)

**HPLC**

Urine; Cotinine; Colorimetric assay; Smoking; Cigarettes low-yield (Kolonen, S.A. (196) 159)

Cystinuria; Cysteine; Cystine (Birwé, H. (199) 33)

*p*-Aminobenzoic acid; *p*-Aminosalicylic acid; Drug interference; Fluorescence; Pancreatic function testing (Pemberton, P.W. (199) 253)

Phenylketonuria (PKU); Maple syrup urine disease (MSUD); Tyrosinemia; Newborn screening (Qu, Y. (203) 191)

Urinary oligosaccharides; Glycoprotein degradation (Hommes, F.A. (203) 211)

Plasma glycine; Gynecological surgery (Sherwood, R.A. (203) 275)

**Human**

Tumor marker; ELISA; Nucleoside; Urine; 1-Methylinosine (D'Ambrosio, S.M. (199) 119)

Isoenzyme; Myocardial infarction; Creatine kinase; Subform; Computer-fitting (Christenson, R.H. (200) 23)

**Human aortic elastin**

Atherosclerotic; Lipid; Cation; Elastolysis (Saulnier, J.M. (200) 129)

**Human bile FSC**

Free secretory component; Human serum FSC; pIgA receptor; pIgA transcytic pathway; FSC in liver disease (Perez, J.H. (197) 171)

**Human blood serum**

Aminoacid stability; Ultrafiltration; Storage; pH; Temperature (Kornhuber, M.E. (197) 189)

**Human cerebrospinal fluid**

$\beta$ -N-Acetylhexosaminidase; Automated procedure; Human serum; Multiple sclerosis (Datti, A. (200) 73)

**Human feces**

Hydrogen sulphide; Sulphate reduction; Colon; Sulphidogenesis; Methanogenesis (Florin, T.H.J. (196) 127)

**Human fetus**

$\alpha_1$ -Acid glycoprotein; Orosomucoid; Microheterogeneity; Concanavalin A (Seta, N. (203) 167)

**Human immunodeficiency virus**

AIDS;  $\beta$ -Glucuronidase (Saha, A.K. (199) 311)

**Human kidney**

Aminopeptidase (Mantle, D. (196) 135)

**Human plasma**

Sialyltransferase; Fluorometric assay; CMP-9-fluoresceinyl-NeuAc; Acceptor specificity (Gross, H.J. (197) 237)

**Human serum**

$\beta$ -N-Acetylhexosaminidase; Automated procedure; Human cerebrospinal fluid; Multiple sclerosis (Datti, A. (200) 73)

**Human serum FSC**

Free secretory component; Human bile FSC; pIgA receptor; pIgA transcytic pathway; FSC in liver disease (Perez, J.H. (197) 171)

**Human spinal cord**

Brain natriuretic peptide; Congestive heart failure (Togashi, K. (201) 193)

**Human submandibular gland enzyme**

$\gamma$ -Glutamyl transpeptidase (Sajjan, A.R. (197) 131)

**Human urine**

Ecdysteroids; Helminthiasis (Gharib, B. (199) 159)

**Human ventricular myosin heavy chain**

Monoclonal antibody; Myocardial necrosis (Simeonova, P.P. (201) 207)

**Hydrogen peroxide and ammonium molybdate, complex of**

Serum catalase; Reference interval; Age and sex dependence (Góth, L. (196) 143)

**Hydrogen peroxide**

Polymorphonuclear leucocytes; Neutrophils; Glutathione cycle; Respiratory burst; Photometric assay (Negri, M. (199) 305)

Porphyrin; Photosensitizer; Light; Singlet oxygen; Hydroxyl (Aravind Menon, I. (202) 237)

**Hydrogen sulphide**

Sulphate reduction; Human feces; Colon; Sulphidogenesis; Methanogenesis (Florin, T.H.J. (196) 127)

**Hydroxyl**

Porphyrin; Photosensitizer; Light; Hydrogen peroxide; Singlet oxygen (Aravind Menon, I. (202) 237)

**3-Hydroxy-3-methylglutaric aciduria**

Organic acids; Gas chromatography-mass spectrometry; Silylation; Derivatization; Urine analysis; Cot death (Mills, G.A. (204) 131)

**Hydroxyproline**

Alkaline phosphatase; Isoenzyme; Sick cell disease; Saudi Arabia (Mohammed, S.M. (203) 285)

**Hyperammonemia**

Pyroglutamic acid; Urea cycle defects (Nakanishi, T. (197) 249)

**Hypercalcemia** Discriminant analysis; Recursive partitioning; Statistics (Lacher, D.A. (204) 199)

**Hypercholesterolemia**

Coronary heart disease; Low density lipoprotein; Receptor (Joven, J. (197) 67)

HMG-CoA reductase inhibitor; Pravastatin; Lp (a); Acute-phase response; Coronary heart disease (CHD) (Fieseler, H.-G. (204) 291)

**Hyperinsulinism**

Glycated hemoglobin; Hypoglycemia (Niketić, V. (197) 47)

**Hyperlipoproteinemia**

Hypothyroidism; Subclinical hypothyroidism; Thyroid-stimulating hormone; Coronary heart disease (Glueck, C.J. (201) 113)

**Hyperornithinemia-hyperammonemia-homocitrullinuria**

Mitochondrial transport; Liquid chromatography-mass spectrometry; Stable isotope; Ornithine (Tsujino, S. (201) 129)

**Hyperthyroidism**

Intact parathyroid hormone assay; Mid region parathyroid hormone; Ethylene diamine tetraacetic acid-infusion test (Bergenfels, A. (197) 229)

**Hypogalactosylation**

IgG; Oligosaccharide; Interleukin 6; Castleman disease (Nakao, H. (197) 221)



**Hypoglycemia**

Glycated hemoglobin; Hyperinsulinism (Niketić, V. (197) 47)

**Hypohistidinemia**

Sickle cell anaemia; Histaminemia (Enwonwu, C.O. (203) 363)

**Hypothyroidism**

Total thyroxine; Enzyme immunoassay; UltramicroElisa; Ultramicroanalytical system;  $\beta$ -Galactosidase conjugate (Gonzalez, R.R. (197) 159)

Subclinical hypothyroidism; Hyperlipoproteinemia; Thyroid-stimulating hormone; Coronary heart disease (Glueck, C.J. (201) 113)

# I

## IDDM

IgA; Serum immunoglobulins; NIDDM (Rodríguez-Segade, S. (203) 135)

## IEF

Hb F Sardinia;  $A\gamma^T$ -chain;  $\beta$ -thalassemia; HPFH (Masala, B. (198) 195)

## Ig $\kappa$ genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

## Ig $\lambda$ genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

## IgA

Serum immunoglobulins; IDDM; NIDDM (Rodríguez-Segade, S. (203) 135)

## IgG

Hypogalactosylation; Oligosaccharide; Interleukin 6; Castleman disease (Nakao, H. (197) 221)

## IgH genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

## Immune complex

Creatine kinase; Macro creatine kinase; Creatine kinase isozyme; Creatine kinase subform; Immunoglobulin A (Kanemitsu, F. (197) 9)

## Immunoaffinity

Cerebrospinal fluid; Gangliosides; Sulfatide; Cholera toxin; Monoclonal antibody (Davidsson, P. (197) 103)

## Immunoassay

Alkaline phosphatase; Bone disease; Liver disease; Reference interval; Affinity chromatography (Gonchoroff, D.G. (199) 43)

Calcium binding protein; Vitamin D-dependent (Zhu, Y. (201) 183)

## Immunoblotting

Isozyme; Isoform; Serum protein; Biotinidase (Hart, P.S. (197) 257)

Apolipoprotein E; Postmortem change; Storage; Isoelectric focusing (Lehtimäki, T. (203) 177)

## Immunochemical assay

Biotin (Thuy, L.P. (202) 191)

## Immunodeficiency

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

## Immuno-electrophoresis

Affinity chromatography; Amniotic fluid; Pregnancy proteins (Sørensen, S. (202) 199)

## Immunoglobulin A

Creatine kinase; Macro creatine kinase; Creatine kinase isozyme; Creatine kinase subform; Immune complex (Kanemitsu, F. (197) 9)

**Immunoglobulin genes**

T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

**Immunoturbidimetry**

Apo A1; Apo B; Rate nephelometry (Glueck, C.J. (197) 121)

**In vitro stability**

h-ANP; Aprotinin; Phosphoramidon (Artner-Dworzak, E. (203) 235)

**Inborn error**

MCAD; Skin fibroblasts; GC/MS; Mitochondrial  $\beta$ -oxidation (Niezen-Koning, K.E. (199) 173)

Peroxisomal disorder; Bile acids; Zellweger syndrome; Peroxisome; Peroxisomal  $\beta$ -oxidation (Wanders, R.J.A. (202) 123)

**Inborn errors of metabolism**

Urinary metabolic screening; Glycerol; Glycerol kinase deficiency (Kohlschütter, A. (198) 203)

**Infection**

Elastase; Fulminant hepatic failure;  $\alpha_1$ -Antitrypsin (Langley, P.G. (200) 211)

**Infective endocarditis**

Creatine kinase; Activation energy; Bacteremia (De Scheerder, I.K. (197) 115)

**Inflammation**

Zinc; Leucocytes; Mononuclear cells; Polymorphonuclear cells; Plasma (Peretz, A. (203) 35)

**Inflammatory disease**

Neopterin; Pterins; Cytokine; Interferon (Müller, M.M. (201) 1)

**Inherited metabolic disorder**

Carnitine; Organic aciduria; Propionic acidemia; Methylmalonic aciduria; NMR spectroscopy (Davies, S.E.C. (204) 263)

**Insulin**

Glycemic clamp; Fatty acid composition (Pelikánová, T. (203) 329)

**Intact parathyroid hormone assay**

Mid region parathyroid hormone; Ethylene diamine tetraacetic acid-infusion test; Hyperthyroidism (Bergenfelz, A. (197) 229)

**Integrins**

Monoclonal antibodies; Enzyme immunoassay; Liver disease (Katayama, M. (202) 179)

**Interferon**

Neopterin; Pterins; Inflammatory disease; Cytokine (Müller, M.M. (201) 1)

**Interferon- $\gamma$** 

N-acetyl- $\beta$ -D-Glucosaminidase isoenzyme; Monocyte-derived macrophage; Zymosan (Bourbouze, R. (199) 185)

**Interleukin 6**

Hypogalactosylation; IgG; Oligosaccharide; Castleman disease (Nakao, H. (197) 221)

**Internal standard**

Spectrin; Erythrocyte membrane (human); Quantitative analysis; SDS-PAGE; Pancreatic trypsin inhibitor (Kunitz) (Yoshida, H. (199) 99)

**Intestinal alkaline phosphatase**

Alkaline phosphatase isozyme; ABO blood groups; Secretor phenotype; Monoclonal antibody (Domar, U. (203) 305)

**Intraspinal injections**

Acute lymphoblastic leukemia; Arachnoid; Corticosteroids; Fibroproliferative response; Methotrexate (Vainionpää, L. (203) 47)

**Inulin assay**

High-performance liquid chromatography; Glomerular filtration rate; Extracellular fluid space; Inulin kinetics (Ruo, T.I. (204) 217)

**Inulin kinetics**

Inulin assay; High-performance liquid chromatography; Glomerular filtration rate; Extracellular fluid space (Ruo, T.I. (204) 217)

**Ion selective electrode**

Calcium; Saliva (Lagerlöf, F. (198) 175)

**Ion-exchange chromatography**

gamma-Aminobutyric acid; Reference values; Cerebrospinal fluid; Childhood; Fluorescence detection (Carchon, H.A. (201) 83)

**Iron**

Serum; Atomic absorption spectrometry; De-proteinization (De Benzo, Z.A. (197) 139)

**Isoelectric focusing**

Apolipoprotein E; Postmortem change; Storage; Immunoblotting (Lehtimäki, T. (203) 177)

**Isoenzyme**

Myocardial infarction; Human; Creatine kinase; Subform; Computer-fitting (Christenson, R.H. (200) 23)

Hydroxyproline; Alkaline phosphatase; Sickle cell disease; Saudi Arabia (Mohammed, S.M. (203) 285)

**Isoenzymes**

Diabetes;  $\beta$ -Hexosaminidase; Nephropathy; Plasma; Retinopathy (Hultberg, B. (196) 177)

**Isoflavonoids**

Lignan; Genistein; Gas chromatography; Mass spectrometry (Adlercreutz, H. (199) 263)

**Isoflurane**

Anaesthesia; F-protein; Hepatitis; Liver; Halothane (Cooper, C.M. (202) 73)

**Isoform**

Isozyme; Serum protein; Biotinidase; Immunoblotting (Hart, P.S. (197) 257)

**Isotransferrin**

Pregnancy (Van Dijk, J.P. (203) 1)

**Isovaleric acidemia**

Prenatal diagnosis; Tandem mass spectrometry; Carnitine (Shigematsu, Y. (203) 369)

**Isozyme**

Isoform; Serum protein; Biotinidase; Immunoblotting (Hart, P.S. (197) 257)



# J

**Japanese subjects**

Apolipoprotein; Turbidimetric immunoassay;  
Reference values; Age- and sex-related differences (Noma, A. (199) 147)

**Jejunal fluid**

Lactase; Children; Tissue source (Quak, S.H. (204) 145)

# K

**3-Ketobutylidene  $\beta$ -2-chloro-4-nitrophenyl-maltopentaoside**

$\alpha$ -Amylase (Teshima, S. (199) 23)

**Ketones**

Organic acids analysis; Oxoacids; Aldehydes  
(Hoffmann, G.F. (199) 237)

**Kidney**

Angiotensin; Diuretics; Renin; Sodium; Urine  
(Boer, P. (199) 195)

# L

## Lactase

Jejunal fluid; Children; Tissue source (Quak, S.H. (204) 145)

## Lactate

Screening test; Pyruvate; Metabolic inborn errors (Kuroda, Y. (199) 17)

Ceruloplasmin activity; Acute organ system failure (Dauberschmidt, R. (199) 167)

## Lactoferrin

Bone marrow transplantation; Plasma lactoferrin; Enzyme immunoassay (Suzuki, T. (202) 111)

## Latex immunonephelometric assay

Myoglobin (Massoubre, C. (201) 223)

## LBSA determination

Serum glycoproteins; Gel electrophoresis and chromatography; Lipid analysis (Végh, Z. (203) 259)

## LDH

Histiocytosis X; Blood cells; Monocyte; Lymphocyte; MDH (Perlino, E. (200) 153)

## LDL particle size

Low density lipoprotein; Type IIb hyperlipoproteinemia; Simvastatin (Zhao, S.P. (203) 109)

## LDL subfractions

Familial hypercholesterolemia; Density gradient ultracentrifugation; Sex difference (Tilly-Kiesi, M.K. (201) 65)

## LDL-apheresis

Homozygous familial hypercholesterolemia; Fibronectin; Dextran-sulfate (Erich, D. (201) 169)

## Lecithin : cholesterol-acyltransferase

Apolipoprotein A<sub>II</sub>; Glycation (Gugliucci, A. (204) 37)

## Lectin

Sialidase; Enzymatic assay (Lambré, C.R. (198) 183)

Blood; Electrophoresis; Ethanol; Fucose; Haptoglobin; Tobacco (Thompson, S. (201) 59)

## Leucocytes

Zinc; Mononuclear cells; Polymorphonuclear cells; Plasma; Inflammation (Peretz, A. (203) 35)

## Leukemias

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

## Leukocyte

Aminopeptidase P; Dipeptidyl peptidase IV; Lymphocyte; Phytohemagglutinin stimulation (Hendriks, D. (196) 87)

## Leukodystrophy

Canavan's disease; Aspartoacylase; Spongy degeneration of brain (Barash, V. (201) 175)

## Light

Porphyrin; Photosensitizer; Hydrogen peroxide; Singlet oxygen; Hydroxyl (Aravind Menon, I. (202) 237)

## Lignan

Genistein; Isoflavonoids; Gas chromatography; Mass spectrometry (Adlercreutz, H. (199) 263)

## Limulus test

Whole blood; Endotoxin;  $\beta$ -D-Glucan; Chromogenic substrate; Gram-negative bacterial sepsis (Tamura, H. (200) 35)

## Lineage infidelity

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

**Lipid**

Human aortic elastin; Atherosclerotic; Cation; Elastolysis (Saulnier, J.M. (200) 129)

**Lipid analysis**

LBSA determination; Serum glycoproteins; Gel electrophoresis and chromatography (Végh, Z. (203) 259)

**Lipid peroxidation**

Alzheimer's disease; Aluminum; Zinc; Vitamin E (Haines, A. (198) 261)

Asthma bronchiale; Red blood cells; Oxidative sensitivity; Antioxidant enzymes (Novák, Z. (201) 247)

**Lipid peroxide**

Myocardial infarction; Malondialdehyde; Detoxification enzymes (Loeper, J. (196) 119)

**Lipid profiles**

Low density lipoprotein cholesterol (LDLC); High density lipoprotein cholesterol (HDLC); Coronary heart disease; Lipid Research Clinics (LRC) cholesterol; Standardization program (Mace, R. (204) 189)

**Lipid Research Clinics (LRC) cholesterol**

Lipid profiles; Low density lipoprotein cholesterol (LDLC); High density lipoprotein cholesterol (HDLC); Coronary heart disease; Standardization program (Mace, R. (204) 189)

**Lipid transfer protein, nonspecific**

Cholesterol 7 $\alpha$ -hydroxylase; Gallstone; Bile acid biosynthesis (Kawata, S. (197) 201)

**Lipolysis**

Beta-2 receptor tolerance; Free fatty acids; Triglyceride (Kendall, M.J. (204) 51)

**Lipoprotein**

Cerebrotendinous xanthomatosis; Atherogenic risk factor; Serum lipid; Coronary artery disease; Atherosclerosis (Fujiyama, J. (200) 1)

**Lipoprotein lipase**

Very low density lipoprotein; Fatty acid; Apoprotein (Saheki, S. (204) 155)

**Lipoprotein metabolism**

Cholesteryl ester; Simvastatin; Compartmental analysis; Modelling; (human) (Magot, T. (196) 59)

 **$\beta$ -Lipoprotein**

High-performance liquid chromatography (HPLC); Bilirubin distribution; Albumin (Šoltés, L. (201) 35)

**Liquid chromatography-mass spectrometry**

Hyperornithinemia-hyperammonemia-homocitrullinuria; Mitochondrial transport; Stable isotope; Ornithine (Tsujino, S. (201) 129)

**Liver**

Anaesthesia; F-protein; Hepatitis; Halothane; Isoflurane (Cooper, C.M. (202) 73)

Triglyceride; Fatty acids; Reye's syndrome; Hepatic desaturase (Kang, E.S. (204) 167)

**Liver cirrhosis**

Phenethylamine; Hepatic encephalopathy; Biogenic amine; Liver disease (Yonekura, T. (199) 91)

**Liver disease**

Alkaline phosphatase; Bone disease; Reference interval; Affinity chromatography; Immunoassay (Gonchoroff, D.G. (199) 43)

Phenethylamine; Hepatic encephalopathy; Biogenic amine; Liver cirrhosis (Yonekura, T. (199) 91)

Integrins; Monoclonal antibodies; Enzyme immunoassay (Katayama, M. (202) 179)

**Liver ischemia**

Free fatty acids; Rat; Hepatic encephalopathy; Porta caval shunt (Smit, J.J.H. (197) 95)

**Liver mitochondria**

Ornithine carbamyl transferase; Ammonia assay; Glutamate dehydrogenase; Mitochondrial aspartate aminotransferase (Peltenburg, H.G. (203) 395)

**Low density lipoprotein**

Coronary heart disease; Hypercholesterolemia; Receptor (Joven, J. (197) 67)

Platelet activating factor (PAF); PAF acetylhydrolase; High density lipoprotein; Cholesterol (Satoh, K. (202) 95)

LDL particle size; Type IIb hyperlipoproteinemia; Simvastatin (Zhao, S.P. (203) 109)



**Low density lipoprotein cholesterol (LDLC)**

Lipid profiles; High density lipoprotein cholesterol (HDL); Coronary heart disease; Lipid Research Clinics (LRC) cholesterol; Standardization program (Mace, R. (204) 189)

**Lp (a)**

Fish oil; n-3 fatty acids (Berg Schmidt, E. (198) 271)

Hypercholesterolemia; HMG-CoA reductase inhibitor; Pravastatin; Acute-phase response; Coronary heart disease (CHD) (Fieseler, H.-G. (204) 291)

**Lung cancer**

Type III collagen; Collagenolytic enzyme; Collagenase; Fibril assay (Kawamura, M. (203) 225)

**Lupus nephritis**

Serum laminin; Minimal change nephrosis; Membranous glomerulonephritis; Diabetic nephropathy; Renal cell carcinoma (Horikoshi, S. (196) 185)

**Lymphocyte**

Aminopeptidase P; Dipeptidyl peptidase IV; Leukocyte; Phytohemagglutinin stimulation (Hendriks, D. (196) 87)

Acute intermittent porphyria; ELISA; Erythrocyte; Porphobilinogen deaminase (Lilius, L. (197) 77)

Histiocytosis X; Blood cells; Monocyte; LDH; MDH (Perlino, E. (200) 153)

Betaine : homocysteine methyltransferase; Fibroblast; Betaine; Homocysteine; Vascular disease (Wang, J. (204) 239)

**Lymphoid cell lines**

Arylsulfatase A; Cerebrosidase; Arylsulfatase B; Metachromatic leukodystrophy; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency (Tempesta, M.-C. (202) 149)

**Lymphoid differentiation**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

**Lysosomal disorders**

Metachromatic leukodystrophy; Gaucher disease; Tay-Sachs disease; Polymerase chain reaction; Arylsulfatase A; Pseudodeficiency (Louie, E. (199) 7)

**Lysosomal enzymes**

Aqueous humor; Glaucoma; Cataracts (Weinreb, R.N. (199) 1)

$\beta$ -N-Acetylglucosaminidase;  $\beta$ -Glucuronidase; Aryl-sulfatase; Saphen (Hayer, M. (203) 343)

**Lysosomal storage disorder**

Urinary glucocerebrosidase; Gaucher disease; Asymptomatic Gaucher disease; Carrier detection;  $\beta$ -Glucosidase; Glycosphingolipidosis (Aerts, J.M.F.G. (203) 349)

**Lysosome**

Hexosaminidase A; Enzyme; Acid hydrolases; Tay-Sachs disease; Genetic diseases (Den Tandt, W.R. (199) 231)

# M

## Macro creatine kinase

Creatine kinase; Creatine kinase isozyme; Creatine kinase subform; Immunoglobulin A; Immune complex (Kanemitsu, F. (197) 9)

## $\alpha_2$ -Macroglobulin

Asthma; Age; Elastase (Kilroe-Smith, T.A. (202) 47)

Oxygen radicals; Granulocytes; Reperfusion injury (Donnelly, P.K. (202) 55)

## Maize

Celiac disease; Cellular immunity; Antibody; Wheat; Cereals (Skerritt, J.H. (204) 109)

## Malignant hyperthermia

Sarcolemma and sarcoplasmic reticulum pig muscular membrane; Halothane; Spin labeling (Thomas, M.A. (200) 201)

## Malignant lymphomas

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

## Malondialdehyde

Myocardial infarction; Lipid peroxide; Detoxification enzymes (Loeper, J. (196) 119)

## Maple syrup urine disease (MSUD)

Phenylketonuria (PKU); Tyrosinemia; Newborn screening; HPLC (Qu, Y. (203) 191)

## Masking and demasking system

Serum zinc; Highly sensitive reagent; Microwell plates; Dual-wavelength spectrophotometry; Pediatric chemistry (Makino, T. (197) 209)

## Mass spectrometry

Neutral steroids; Profiles; Urine; Gas-liquid chromatography; Oxytetracycline (Hämäläinen, E. (199) 205)

Lignan; Genistein; Isoflavonoids; Gas chromatography (Adlercreutz, H. (199) 263)

## Matrix modification

Bismuth in blood and serum; Platinum; EAAS; Storage (Slikkerveer, A. (201) 17)

## MCAD

Inborn error; Skin fibroblasts; GC/MS; Mitochondrial  $\beta$ -oxidation (Niezen-Koning, K.E. (199) 173)

## G985 MCAD mutation

Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency;  $\beta$ -Oxidation defect; G985 polymerase chain reaction (PCR) assay; Dried blood spots (Gregersen, N. (203) 23)

## MDH

Histiocytosis X; Blood cells; Monocyte; Lymphocyte; LDH (Perlino, E. (200) 153)

## Medium chain acylCoA dehydrogenase deficiency

Sudden infant death syndrome; Carnitine; Neonatal screening (Barns, R.J. (197) 27)

## Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency

$\beta$ -Oxidation defect; G985 MCAD mutation; G985 polymerase chain reaction (PCR) assay; Dried blood spots (Gregersen, N. (203) 23)

## Membrane cholesterol

Red blood cells (Macchia, T. (199) 59)

## Membrane fluidity

Unstable hemoglobin; Free radicals; Peroxidation; Antioxidative enzymes; Splenectomy (Falcioni, G. (196) 153)

## Membrane protein

Hereditary spherocytosis; Erythrocyte; Proteolytic susceptibility (Gaczyńska, M. (198) 267)

## Membranous glomerulonephritis

Serum laminin; Minimal change nephrosis; Lupus nephritis; Diabetic nephropathy; Renal cell carcinoma (Horikoshi, S. (196) 185)

**Metabolic inborn errors**

Screening test; Pyruvate; Lactate (Kuroda, Y. (199) 17)

**Metachromatic leukodystrophy**

Gaucher disease; Tay-Sachs disease; Polymerase chain reaction; Arylsulfatase A; Pseudo-deficiency; Lysosomal disorders (Louie, E. (199) 7)

[1-<sup>14</sup>C]Acyl-sphingosine-galactose-3-sulfate; Radioactive sulfatides; Cerebroside sulfate sulfatase; Radioscanning (Masson, M. (201) 157)

Arylsulfatase A; Cerebroside sulfatase; Arylsulfatase B; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency; Lymphoid cell lines (Tempesta, M.-C. (202) 149)

**Methanogenesis**

Hydrogen sulphide; Sulphate reduction; Human feces; Colon; Sulphidogenesis (Florin, T.H.J. (196) 127)

**Methotrexate**

Aminopterin; Diarrhea; Small intestine; Prostaglandin; Rat (Weiler, H. (199) 283)

Acute lymphoblastic leukemia; Arachnoid; Corticosteroids; Fibroproliferative response; Intraspinal injections (Vainionpää, L. (203) 47)

**1-Methylinosine**

Tumor marker; ELISA; Nucleoside; Urine; Human (D'Ambrosio, S.M. (199) 119)

**Methylmalonic aciduria**

Carnitine; Inherited metabolic disorder; Organic aciduria; Propionic acidemia; NMR spectroscopy (Davies, S.E.C. (204) 263)

**Mevalonic aciduria**

Cholesterol biosynthesis; Prenatal diagnosis; Carrier detection; Stable isotope dilution assay (Hoffmann, G.F. (198) 209)

 **$\alpha_1$ -Microglobulin**

Diurnal variation; Osmolality (Itoh, Y. (201) 123)

**beta-2-Microglobulin**

Amyloid; Dementia; Dialysis (Annunziata, P. (201) 139)

**Microheterogeneity**

$\alpha_1$ -Acid glycoprotein; Elderly; Crossed affinity-immunoelectrophoresis (Kawerk, N. (202) 65)

$\alpha_1$ -Acid glycoprotein; Orosomucoid; Human fetus; Concanavalin A (Seta, N. (203) 167)

**Microscopic examination**

Crystalluria; Coulter Counter (Hennequin, C. (200) 227)

**Microsome**

Glycosylation; Dolichylmonophosphate; Mitochondria; Muscle; Myopathy (Gasnier, F. (199) 69)

**Microwell plates**

Serum zinc; Highly sensitive reagent; Dual-wavelength spectrophotometry; Masking and demasking system; Pediatric chemistry (Makino, T. (197) 209)

**Mid region parathyroid hormone**

Intact parathyroid hormone assay; Ethylene diamine tetraacetic acid-infusion test; Hyperthyroidism (Bergenfz, A. (197) 229)

**Minimal change nephrosis**

Serum laminin; Membranous glomerulonephritis; Lupus nephritis; Diabetic nephropathy; Renal cell carcinoma (Horikoshi, S. (196) 185)

**Minimal residual disease**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome (Van Dongen, J.J.M. (198) 93)

**Mitochondria**

Glycosylation; Dolichylmonophosphate; Microsome; Muscle; Myopathy (Gasnier, F. (199) 69)

**Mitochondrial aspartate aminotransferase**

Ornithine carbamyl transferase; Liver mitochondria; Ammonia assay; Glutamate dehydrogenase (Peltenburg, H.G. (203) 395)

**Mitochondrial  $\beta$ -oxidation**

Inborn error; MCAD; Skin fibroblasts; GC/MS (Niezen-Koning, K.E. (199) 173)

**Mitochondrial transport**

Hyperornithinemia-hyperammonemia-homocitrullinuria; Liquid chromatography-mass spectrometry; Stable isotope; Ornithine (Tsuji, S. (201) 129)

**Modelling**

Cholesteryl ester; Simvastatin; Lipoprotein metabolism; Compartmental analysis; (human) (Magot, T. (196) 59)

**Molecular mimicry**

Rheumatoid arthritis; BSA; Antibody (Pérez-Maceda, B. (203) 153)

**Monitoring**

Phenylketonuria; Plasma phenylalanine; Enzymatic assay (Wendel, U. (201) 95)

**Monoclonal antibodies**

Enzyme linked immunosorbent assay; Plasma cholinesterase; Pregnancy, Puerperium (Whitaker, M. (199) 223)

Integrins; Enzyme immunoassay; Liver disease (Katayama, M. (202) 179)

**Monoclonal antibody**

Cerebrospinal fluid; Gangliosides; Sulfatide; Immunoaffinity; Cholera toxin (Davidsson, P. (197) 103)

Human ventricular myosin heavy chain; Myocardial necrosis (Simeonova, P.P. (201) 207)

Serum arylesterase; Cirrhosis; ELISA (Kawai, H. (202) 219)

Alkaline phosphatase isozyme; Intestinal alkaline phosphatase; ABO blood groups; Secretor phenotype (Domar, U. (203) 305)

**Monocyte**

Histiocytosis X; Blood cells; Lymphocyte; LDH; MDH (Perlino, E. (200) 153)

**Monocyte-derived macrophage**

N-acetyl- $\beta$ -D-Glucosaminidase isoenzyme; Zymosan; Interferon- $\gamma$  (Bourbouze, R. (199) 185)

**Mononuclear cells**

Zinc; Leucocytes; Polymorphonuclear cells; Plasma; Inflammation (Peretz, A. (203) 35)

**Mucin**

Colon; Feces; Glycoconjugate; Glycoprotein; Mucus (Clamp, J.R. (203) 243)

**Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome)**

Arylsulfatase A; Cerebroside sulfatase; Arylsulfatase B; Metachromatic leukodystrophy; Multiple sulfatase deficiency; Lymphoid cell lines (Tempesta, M.-C. (202) 149)

**Mucus**

Colon; Feces; Glycoconjugate; Glycoprotein; Mucin (Clamp, J.R. (203) 243)

**Multiple myeloma**

Serum protein; Fructosamine; Glucose metabolism (Montagna, M.P. (204) 123)

**Multiple sclerosis**

$\beta$ -N-Acetylhexosaminidase; Automated procedure; Human cerebrospinal fluid; Human serum (Datti, A. (200) 73)

**Multiple sulfatase deficiency**

Arylsulfatase A; Cerebroside sulfatase; Arylsulfatase B; Metachromatic leukodystrophy; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Lymphoid cell lines (Tempesta, M.-C. (202) 149)

**Multivariate analysis**

Serum isoferritin; Heterozygous  $\beta$ -thalassaemia; Spectrotype (Lasne, Y. (197) 85)

**Muscle**

Protease; Peptidase; Aminopeptidase (Mantle, D. (197) 35)

Glycosylation; Dolichylmonophosphate; Mitochondria; Microsome; Myopathy (Gasnier, F. (199) 69)

**Myasthenia gravis**

Anti-skeletal muscle antibody; Thymoma; Anti-acetylcholine receptor antibody (Ohta, M. (201) 201)

**Myocardial infarction**

Lipid peroxide; Malondialdehyde; Detoxification enzymes (Loeper, J. (196) 119)



Isoenzyme; Human; Creatine kinase; Subform;  
Computer-fitting (Christenson, R.H. (200) 23)

**Myocardial necrosis**

Human ventricular myosin heavy chain; Mono-  
clonal antibody (Simeonova, P.P. (201) 207)

**Myoglobin**

Latex immunonephelometric assay (Massoubre,  
C. (201) 223)

**Myonecrosis, Diagnosis**

Sialidase (Neuraminidase); Sialidase antibodies;  
Clostridia; ELISA; Patients (Roggentin, P. (196)  
97)

**Myopathy**

Glycosylation; Dolichylmonophosphate; Mito-  
chondria; Microsome; Muscle (Gasnier, F. (199)  
69)

# N

## Neonatal screening

Sudden infant death syndrome; Carnitine; Medium chain acylCoA dehydrogenase deficiency (Barns, R.J. (197) 27)

Congenital hypothyroidism; Fluorometric enzyme immunoassay (Tuuminen, T. (202) 167)

## Neopterin

Pterins; Inflammatory disease; Cytokine; Interferon (Müller, M.M. (201) 1)

## Nephrocalcin

Protein-bound Gla urinary content; Calcium oxalate nephrolithiasis; Calcium stone formation inhibitors (Colette, C. (204) 43)

## Nephropathy

Diabetes;  $\beta$ -Hexosaminidase; Isoenzymes; Plasma; Retinopathy (Hultberg, B. (196) 177)

## Neurological diseases

Enzyme linked immunosorbent assay; Apolipoprotein E; Apolipoprotein B; Cerebrospinal fluid (Carlsson, J. (196) 167)

## Neutral steroids

Profiles; Urine; Gas-liquid chromatography; Mass spectrometry; Oxytetracycline (Hämäläinen, E. (199) 205)

## Neutrophils

Polymorphonuclear leucocytes; Hydrogen peroxide; Glutathione cycle; Respiratory burst; Photometric assay (Negri, M. (199) 305)

## Newborn screening

Phenylketonuria (PKU); Maple syrup urine disease (MSUD); Tyrosinemia; HPLC (Qu, Y. (203) 191)

## NIDDM

IgA; Serum immunoglobulins; IDDM (Rodríguez-Segade, S. (203) 135)

## NMR spectroscopy

Carnitine; Inherited metabolic disorder; Organic aciduria; Propionic acidemia; Methylmalonic aciduria (Davies, S.E.C. (204) 263)

## Non-esterified fatty acid

Arachidonic acid; Diabetes mellitus; Diabetic retinopathy; Eicosapentaenoic acid; Platelet aggregation (Myrup, B. (204) 251)

## Norethindrone

Ethinyl estradiol; Radioimmunoassay; Sephadex LH-20; Celite; Chromatography (Zacur, H.A. (204) 209)

## Nucleoside

Tumor marker; ELISA; Urine; Human; 1-Methylinosine (D'Ambrosio, S.M. (199) 119)

# O

## Obesity

Body fat distribution; Serum lipoprotein; Age (Sönnichsen, A.C. (202) 133)

## Oligoclonality

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

## Oligosaccharide

Hypogalactosylation; IgG; Interleukin 6; Castleman disease (Nakao, H. (197) 221)

Galactosialidosis; Sialidosis; Subtype (Takahashi, Y. (203) 199)

## Organic acids analysis

Oxoacids; Aldehydes; Ketones (Hoffmann, G.F. (199) 237)

## Organic acids

3-Hydroxy-3-methylglutaric aciduria; Gas chromatography-mass spectrometry; Silylation; Derivatization; Urine analysis; Cot death (Mills, G.A. (204) 131)

## Organic aciduria

Carnitine; Inherited metabolic disorder; Propionic acidemia; Methylmalonic aciduria; NMR spectroscopy (Davies, S.E.C. (204) 263)

## Ornithine carbamyl transferase

Liver mitochondria; Ammonia assay; Glutamate dehydrogenase; Mitochondrial aspartate aminotransferase (Peltenburg, H.G. (203) 395)

## Ornithine

Hyperornithinemia-hyperammonemia-homocitrullinuria; Mitochondrial transport; Liquid chromatography-mass spectrometry; Stable isotope (Tsujino, S. (201) 129)

## Orosomucoid

$\alpha_1$ -Acid glycoprotein; Microheterogeneity; Human fetus; Concanavalin A (Seta, N. (203) 167)

## Osmolality

Diurnal variation;  $\alpha_1$ -Microglobulin (Itoh, Y. (201) 123)

## Oxalosis

Glycolic acid; Glyoxylic acid; Blood glycolic acid; Primary hyperoxaluria; Chronic renal failure (Petrarulo, M. (196) 17)

## Oxidant/antioxidant properties of drugs

Autooxidation of L-3,4-dihydroxyphenylalanine to carbon monoxide; Head-space gas chromatography (Cooper, M.J. (202) 105)

## $\beta$ -Oxidation defect

Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency; G985 MCAD mutation; G985 polymerase chain reaction (PCR) assay; Dried blood spots (Gregersen, N. (203) 23)

## Oxidative sensitivity

Asthma bronchiale; Red blood cells; Antioxidant enzymes; Lipid peroxidation (Novák, Z. (201) 247)

## Oxoacids

Organic acids analysis; Aldehydes; Ketones (Hoffmann, G.F. (199) 237)

## Oxygen radicals

$\alpha_2$ -Macroglobulin; Granulocytes; Reperfusion injury (Donnelly, P.K. (202) 55)

## Oxytetracycline

Neutral steroids; Profiles; Urine; Gas-liquid chromatography; Mass spectrometry (Hämäläinen, E. (199) 205)

# P

## PAF

Platelet activating factor; PAF acetylhydrolase; Urine enzymes; Renal disease (Kirschbaum, B. (199) 139)

## PAF acetylhydrolase

Platelet activating factor; PAF; Urine enzymes; Renal disease (Kirschbaum, B. (199) 139)

Platelet activating factor (PAF); Low density lipoprotein; High density lipoprotein; Cholesterol (Sato, K. (202) 95)

## Palladium chemical modification

Thallium determination; Graphite furnace atomic absorption spectrometry; Sodium chloride interference; Urine, blood analysis (Yang, Q. (204) 23)

## *p*-Aminobenzoic acid

*p*-Aminosalicylic acid; Drug interference; Fluorescence; HPLC; Pancreatic function testing (Pemberton, P.W. (199) 253)

## *p*-Aminosalicylic acid

*p*-Aminobenzoic acid; Drug interference; Fluorescence; HPLC; Pancreatic function testing (Pemberton, P.W. (199) 253)

## Pancreatic function testing

*p*-Aminobenzoic acid; *p*-Aminosalicylic acid; Drug interference; Fluorescence; HPLC (Pemberton, P.W. (199) 253)

## Pancreatic trypsin inhibitor (Kunitz)

Spectrin; Erythrocyte membrane (human); Quantitative analysis; SDS-PAGE; Internal standard (Yoshida, H. (199) 99)

## Pancreatitis

Cholecystokinin (Springer, C.J. (198) 245)

## Particle agglutination

Urine protein 1; Retinol-binding protein; Renal tubular dysfunction; Sex difference (Bernard, A. (201) 231)

## Patients

Sialidase (Neuraminidase); Sialidase antibodies; Clostridia; Myonecrosis, Diagnosis; ELISA (Roggentin, P. (196) 97)

## Pediatric chemistry

Serum zinc; Highly sensitive reagent; Microwell plates; Dual-wavelength spectrophotometry; Masking and demasking system (Makino, T. (197) 209)

## Peptidase

Protease; Amino-peptidase; Muscle (Mantle, D. (197) 35)

## Peptidoglycan monomer

Radioimmunoassay; Boc-tyrosyl-peptidoglycan monomer (Vranešić, B. (202) 23)

## Peroxidation

Unstable hemoglobin; Free radicals; Antioxidative enzymes; Membrane fluidity; Splenectomy (Falcioni, G. (196) 153)

## Peroxide-induced haemolysis

Vitamin E; Cystic fibrosis (James, D.R. (204) 279)

## Peroxisomal disorder

Bile acids; Inborn error; Zellweger syndrome; Peroxisome; Peroxisomal  $\beta$ -oxidation (Wanders, R.J.A. (202) 123)

## Peroxisomal $\beta$ -oxidation

Peroxisomal disorder; Bile acids; Inborn error; Zellweger syndrome; Peroxisome (Wanders, R.J.A. (202) 123)

## Peroxisome

Peroxisomal disorder; Bile acids; Inborn error; Zellweger syndrome; Peroxisomal  $\beta$ -oxidation (Wanders, R.J.A. (202) 123)

## pH

Human blood serum; Amino acid stability; Ultrafiltration; Storage; Temperature (Kornhuber, M.E. (197) 189)



**Phenethylamine**

Hepatic encephalopathy; Biogenic amine; Liver cirrhosis; Liver disease (Yonekura, T. (199) 91)

**Phenylketonuria**

Monitoring; Plasma phenylalanine; Enzymatic assay (Wendel, U. (201) 95)

**Phenylketonuria (PKU)**

Maple syrup urine disease (MSUD); Tyrosinemia; Newborn screening; HPLC (Qu, Y. (203) 191)

**Phosphate**

Heritable disorder; Genetics; Alkaline phosphatase; Phosphoethanolamine (Macfarlane, J.D. (202) 141)

**Phosphoethanolamine**

Heritable disorder; Genetics; Alkaline phosphatase; Phosphate (Macfarlane, J.D. (202) 141)

**Phospholipase A<sub>2</sub>**

Albumin; Serum; Acute pancreatitis (Langton, S.R. (203) 249)

**Phospholipids**

Fatty acids; Silica Sep-Pak cartridge (Ellin, Å. (200) 59)

**Phosphoramidon**

h-ANP; In vitro stability; Aprotinin (Artner-Dworzak, E. (203) 235)

**Phosphoribosylpyrophosphate synthetase**

High-performance liquid chromatography; Gout; Pyrimidine 5'-nucleotidase deficiency (Sakuma, R. (203) 143)

**Photometric assay**

Polymorphonuclear leucocytes; Neutrophils; Hydrogen peroxide; Glutathione cycle; Respiratory burst (Negri, M. (199) 305)

**Photosensitizer**

Porphyrin; Light; Hydrogen peroxide; Singlet oxygen; Hydroxyl (Aravind Menon, I. (202) 237)

**Phytohemagglutinin stimulation**

Aminopeptidase P; Dipeptidyl peptidase IV; Leukocyte; Lymphocyte (Hendriks, D. (196) 87)

**pIgA receptor**

Free secretory component; Human bile FSC; Human serum FSC; pIgA transcytic pathway; FSC in liver disease (Perez, J.H. (197) 171)

**pIgA transcytic pathway**

Free secretory component; Human bile FSC; Human serum FSC; pIgA receptor; FSC in liver disease (Perez, J.H. (197) 171)

**Pigment gallstones**

Arachidonic acid; Cholesterol gallstones; Deoxycholic acid (Van Erpecum, K.J. (199) 295)

**Plasma**

C-Peptide; Rapid method; Radioimmunoassay (Sælsen, L. (196) 1)

Diabetes;  $\beta$ -Hexosaminidase; Isoenzymes; Nephropathy; Retinopathy (Hultberg, B. (196) 177)

Heparin; Anticoagulants; Free fatty acids (McGann, A.M. (197) 265)

Zinc; Leucocytes; Mononuclear cells; Polymorphonuclear cells; Inflammation (Peretz, A. (203) 35)

**Plasma cholinesterase**

Enzyme linked immunosorbent assay; Monoclonal antibodies; Pregnancy, Puerperium (Whittaker, M. (199) 223)

**Plasma GHRH level**

GHRH(1-29)-Gly<sub>4</sub>-Cys-NH<sub>2</sub>; GHRH RIA; Cultured GHRH-producing tumor cells (Zhang, C.-y. (202) 243)

**Plasma glycine**

HPLC; Gynecological surgery (Sherwood, R.A. (203) 275)

**Plasma kallikrein-kinin system**

Plasma prekallikrein; Discrete type autoanalyzer; *Pseudomonas aeruginosa* elastase (Shibuya, Y. (200) 119)

**Plasma lactoferrin**

Lactoferrin; Bone marrow transplantation; Enzyme immunoassay (Suzuki, T. (202) 111)

**Plasma phenylalanine**

Phenylketonuria; Monitoring; Enzymatic assay (Wendel, U. (201) 95)

**Plasma prekallikrein**

Discrete type autoanalyzer; Plasma kallikrein-kinin system; *Pseudomonas aeruginosa* elastase (Shibuya, Y. (200) 119)

**Platelet activating factor**

PAF; PAF acetylhydrolase; Urine enzymes; Renal disease (Kirschbaum, B. (199) 139)

**Platelet activating factor (PAF)**

Radioimmunoassay; Saliva (Cooney, S.J. (200) 161)

PAF acetylhydrolase; Low density lipoprotein; High density lipoprotein; Cholesterol (Satoh, K. (202) 95)

**Platelet aggregation**

Fibronectin; Cell adhesion peptide; Diabetic retinopathy; Glaucoma; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

Arachidonic acid; Diabetes mellitus; Diabetic retinopathy; Eicosapentaenoic acid; Non-esterified fatty acid (Myrup, B. (204) 251)

**Platinum**

Bismuth in blood and serum; EAAS; Matrix modification; Storage (Slikkerveer, A. (201) 17)

**Pneumocystis carinii pneumonitis**

Bronchoalveolar lavage; Epithelial lining fluid; Respiratory membrane permeability; Sarcoidosis; Bronchial asthma (Van de Graaf, E.A. (196) 27)

**Point mutations**

Bisalbuminemia; Alloalbuminemia; Albumins IRE1 and IRE2; Albumin Dublin; Albumin genetic variants (Sakamoto, Ya. (204) 179)

**Polyacrylamide gel**

Alkaline phosphatase; Serum (Ramasamy, I. (199) 243)

**Polymerase chain reaction**

Metachromatic leukodystrophy; Gaucher disease; Tay-Sachs disease; Arylsulfatase A; Pseudodeficiency; Lysosomal disorders (Louie, E. (199) 7)

**G985 polymerase chain reaction (PCR) assay**

Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency;  $\beta$ -Oxidation defect; G985 MCAD mutation; Dried blood spots (Gregeresen, N. (203) 23)

**Polymorphonuclear cells**

Zinc; Leucocytes; Mononuclear cells; Plasma; Inflammation (Peretz, A. (203) 35)

**Polymorphonuclear leucocytes**

Neutrophils; Hydrogen peroxide; Glutathione cycle; Respiratory burst; Photometric assay (Negri, M. (199) 305)

**Polyprenoid**

Analgesic; Exercise; Sauna (Roine, R. (204) 13)

**Porphobilinogen deaminase**

Acute intermittent porphyria; ELISA; Erythrocyte; Lymphocyte (Lilius, L. (197) 77)

**Porphyryn**

Photosensitizer; Light; Hydrogen peroxide; Singlet oxygen; Hydroxyl (Aravind Menon, I. (202) 237)

**8-Port injection valve**

Flow injection analysis; Glucose; Blood serum (Araujo, A.N. (203) 67)

**Porta caval shunt**

Free fatty acids; Rat; Hepatic encephalopathy; Liver ischemia (Smit, J.J.H. (197) 95)

**Postmortem change**

Apolipoprotein E; Storage; Isoelectric focusing; Immunoblotting (Lehtimäki, T. (203) 177)

**Potassium**

Aging; Erythrocyte; Sodium; Sodium transport (Heseltine, D. (196) 41)

**Pravastatin**

Hypercholesterolemia; HMG-CoA reductase inhibitor; Lp (a); Acute-phase response; Coronary heart disease (CHD) (Fieseler, H.-G. (204) 291)

**Prealbumin**

Transthyretin; Cerebrospinal fluid; ELISA (Vatassery, G.T. (197) 19)

**Pregnancy**

Isotransferrin (Van Dijk, J.P. (203) 1)

$\alpha_1$ -Acid glycoprotein; Glycan (Biou, D. (204) 1)

#### **Pregnancy proteins**

Affinity chromatography; Amniotic fluid; Immunoelectrophoresis (Sørensen, S. (202) 199)

#### **Pregnancy, Puerperium**

Enzyme linked immunosorbent assay; Monoclonal antibodies; Plasma cholinesterase (Whitaker, M. (199) 223)

#### **Prenatal diagnosis**

Mevalonic aciduria; Cholesterol biosynthesis; Carrier detection; Stable isotope dilution assay (Hoffmann, G.F. (198) 209)

Isovaleric acidemia; Tandem mass spectrometry; Carnitine (Shigematsu, Y. (203) 369)

#### **Primary biliary cirrhosis**

Selenium; Glutathione peroxidase (Välimäki, M. (196) 7)

#### **Primary hyperoxaluria**

Glycolic acid; Glyoxylic acid; Blood glycolic acid; Oxalosis; Chronic renal failure (Petrarulo, M. (196) 17)

#### **Pro-colipase activation peptide**

Enzyme-linked immunosorbent assay; Satiety; Acute pancreatitis (Bowyer, R.C. (200) 137)

#### **Procollagen III**

Hepatic fibrosis; Chronic liver diseases; Collagen peptidase (Müller, A. (197) 59)

#### **Profiles**

Neutral steroids; Urine; Gas-liquid chromatography; Mass spectrometry; Oxytetracycline (Hämäläinen, E. (199) 205)

#### **Propionic acidemia**

Carnitine; Inherited metabolic disorder; Organic aciduria; Methylmalonic aciduria; NMR spectroscopy (Davies, S.E.C. (204) 263)

#### **Prostaglandin**

Aminopterin; Methotrexate; Diarrhea; Small intestine; Rat (Weiler, H. (199) 283)

#### **Protease**

Peptidase; Aminopeptidase; Muscle (Mantle, D. (197) 35)

#### **Protein-bound Gla urinary content**

Calcium oxalate nephrolithiasis; Nephrocalcin; Calcium stone formation inhibitors (Colette, C. (204) 43)

#### **Proteinuria**

Adenosine-deaminase-binding protein; Renal tubular function; Renal tubular disorders (Flynn, F.V. (200) 183)

#### **Proteolysis**

Erythrocyte; Down's syndrome; Antioxidative enzymes (Bartosz, G. (198) 239)

#### **Proteolytic susceptibility**

Hereditary spherocytosis; Erythrocyte; Membrane protein (Gaczyńska, M. (198) 267)

#### ***Proteus mirabilis***

Urolithiasis; Urine; Crystal inhibitor; Struvite; Pyrophosphate (McLean, R.J.C. (200) 107)

#### **Pseudodeficiency**

Metachromatic leukodystrophy; Gaucher disease; Tay-Sachs disease; Polymerase chain reaction; Arylsulfatase A; Lysosomal disorders (Louie, E. (199) 7)

#### ***Pseudomonas aeruginosa* elastase**

Plasma prekallikrein; Discrete type autoanalyzer; Plasma kallikrein-kinin system (Shibuya, Y. (200) 119)

#### **Pterins**

Neopterin; Inflammatory disease; Cytokine; Interferon (Müller, M.M. (201) 1)

#### **Purine metabolism**

Allele specific oligonucleotide; Dot-blot hybridization; Germline mutation; Urolithiasis; Avidin-biotin; Chemiluminescence (Kawaguchi, R. (203) 183)

#### **[<sup>14</sup>C]Putrescine**

Diamine oxidase (Smith, C.H. (201) 89)

#### **Pyrimidine 5'-nucleotidase**

Erythrocyte; Fast electrophoretic mobility (Li, J.-Y. (200) 43)

#### **Pyrimidine 5'-nucleotidase deficiency**

High-performance liquid chromatography; Phosphoribosylpyrophosphate synthetase; Gout (Sakuma, R. (203) 143)

**Pyroglutamic acid**

Hyperammonemia; Urea cycle defects (Nakanishi, T. (197) 249)

**Pyrophosphate**

Urolithiasis; Urine; *Proteus mirabilis*; Crystal inhibitor; Struvite (McLean, R.J.C. (200) 107)

**Pyruvate**

Screening test; Lactate; Metabolic inborn errors (Kuroda, Y. (199) 17)



# Q

**Quantitative analysis**

Spectrin; Erythrocyte membrane (human);  
SDS-PAGE; Pancreatic trypsin inhibitor (Kunitz); Internal standard (Yoshida, H. (199) 99)

# R

## Radioactive sulfatides

[1-<sup>14</sup>C]Acyl-sphingosine-galactose-3-sulfate; Cerebroside sulfate sulfatase; Radioscanning; Metachromatic leukodystrophy (Masson, M. (201) 157)

## Radioimmunoassay

C-Peptide; Rapid method; Plasma (Sælsen, L. (196) 1)

Platelet activating factor (PAF); Saliva (Cooney, S.J. (200) 161)

Peptidoglycan monomer; Boc-tyrosyl-peptidoglycan monomer (Vranešić, B. (202) 23)

Arylsulfatase A; Serum concentration; Cancer (Laidler, P. (204) 69)

Norethindrone; Ethinyl estradiol; Sephadex LH-20; Celite; Chromatography (Zacur, H.A. (204) 209)

## Radioscanning

[1-<sup>14</sup>C]Acyl-sphingosine-galactose-3-sulfate; Radioactive sulfatides; Cerebroside sulfate sulfatase; Metachromatic leukodystrophy (Masson, M. (201) 157)

## radiotherapy

γ-Glutamyl transpeptidase; Head and neck cancer; TNM stage (Singh, J. (203) 375)

## Raman

Calculi; Calcium oxalates (Sudlow, K. (203) 387)

## Rapid method

C-Peptide; Radioimmunoassay; Plasma (Sælsen, L. (196) 1)

## Rat

Free fatty acids; Hepatic encephalopathy; Liver ischemia; Porta caval shunt (Smit, J.J.H. (197) 95)

Aminopterin; Methotrexate; Diarrhea; Small intestine; Prostaglandin (Weiler, H. (199) 283)

Creatine kinase release; Contractile activity; Skeletal muscle (West-Jordan, J.A. (203) 119)

## Rate nephelometry

Apo A1; Apo B; Immunoturbidimetry (Glueck, C.J. (197) 121)

## Receptor

Coronary heart disease; Hypercholesterolemia; Low density lipoprotein (Joven, J. (197) 67)

## Receptor diversity

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Igκ genes; Igλ genes; TcR-β genes; TcR-γ genes; TcR-δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

## Beta-2 receptor tolerance

Lipolysis; Free fatty acids; Triglyceride (Kendall, M.J. (204) 51)

## Recursive partitioning

Discriminant analysis; Statistics; Hypercalcemia (Lacher, D.A. (204) 199)

## Red blood cells

Membrane cholesterol (Macchia, T. (199) 59)

Asthma bronchiale; Oxidative sensitivity; Antioxidant enzymes; Lipid peroxidation (Novák, Z. (201) 247)

## Reference interval

Serum catalase; Hydrogen peroxide and ammonium molybdate, complex of; Age and sex dependence (Góth, L. (196) 143)

Alkaline phosphatase; Bone disease; Liver disease; Affinity chromatography; Immunoassay (Gonchoroff, D.G. (199) 43)

## Reference values

Apolipoprotein; Turbidimetric immunoassay; Age- and sex-related differences; Japanese subjects (Noma, A. (199) 147)

gamma-Aminobutyric acid; Cerebrospinal fluid; Childhood; Ion-exchange chromatography; Fluorescence detection (Carchon, H.A. (201) 83)

#### **Renal cell carcinoma**

Serum laminin; Minimal change nephrosis; Membranous glomerulonephritis; Lupus nephritis; Diabetic nephropathy (Horikoshi, S. (196) 185)

#### **Renal disease**

Platelet activating factor; PAF; PAF acetylhydrolase; Urine enzymes (Kirschbaum, B. (199) 139)

#### **Renal failure**

Serum amyloid P component; Amyloidosis; Hemodialysis; Continuous ambulatory peritoneal dialysis (Nelson, S.R. (200) 191)

#### **Renal tubular disorders**

Proteinuria; Adenosine-deaminase-binding protein; Renal tubular function (Flynn, F.V. (200) 183)

#### **Renal tubular dysfunction**

Urine protein 1; Retinol-binding protein; Particle agglutination; Sex difference (Bernard, A. (201) 231)

#### **Renal tubular function**

Proteinuria; Adenosine-deaminase-binding protein; Renal tubular disorders (Flynn, F.V. (200) 183)

#### **Renin**

Angiotensin; Diuretics; Kidney; Sodium; Urine (Boer, P. (199) 195)

#### **Reperfusion injury**

$\alpha_2$ -Macroglobulin; Oxygen radicals; Granulocytes (Donnelly, P.K. (202) 55)

#### **Respiratory burst**

Polymorphonuclear leucocytes; Neutrophils; Hydrogen peroxide; Glutathione cycle; Photometric assay (Negri, M. (199) 305)

#### **Respiratory chain**

X-linked muscular dystrophy; Cytochrome c (Nigro, G. (202) 89)

#### **Respiratory membrane permeability**

Bronchoalveolar lavage; Epithelial lining fluid; Sarcoidosis; Bronchial asthma; Pneumocystis carinii pneumonitis (Van de Graaf, E.A. (196) 27)

#### **Restriction enzymes**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

#### **Restriction maps**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

#### **Retinal vein occlusion**

Platelet aggregation; Fibronectin; Cell adhesion peptide; Diabetic retinopathy; Glaucoma (Babizhayev, M.A. (196) 77)

#### **Retinoic acid isomers**

Retinol; Vitamin A; Diffuse idiopathic skeletal hyperostosis (Periquet, B. (203) 57)

#### **Retinol**

Retinoic acid isomers; Vitamin A; Diffuse idiopathic skeletal hyperostosis (Periquet, B. (203) 57)

#### **Retinol-binding protein**

Urine protein 1; Renal tubular dysfunction; Particle agglutination; Sex difference (Bernard, A. (201) 231)

#### **Retinopathy**

Diabetes;  $\beta$ -Hexosaminidase; Isoenzymes; Nephropathy; Plasma (Hultberg, B. (196) 177)

#### **Reye's syndrome**

Liver; Triglyceride; Fatty acids; Hepatic desaturase (Kang, E.S. (204) 167)

**Rheumatoid arthritis**

Erythrocyte; Clinical analysis; Graves' Disease; Glutathione (Reglinski, J. (201) 45)

Molecular mimicry; BSA; Antibody (Pérez-Maceda, B. (203) 153)

**Ribonuclease activity**

Carrington's disease; Eosinophil-derived basic proteins; Urine (Deviller, P. (201) 105)

**Richter's syndrome**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Minimal residual disease (Van Dongen, J.J.M. (198) 93)



# S

## Saliva

Calcium; Ion selective electrode (Lagerlöf, F. (198) 175)

Platelet activating factor (PAF); Radioimmunoassay (Cooney, S.J. (200) 161)

## Saphen

Lysosomal enzymes;  $\beta$ -N-Acetylglucosaminidase;  $\beta$ -Glucuronidase; Aryl-sulfatase (Hayer, M. (203) 343)

## Sarcoidosis

Bronchoalveolar lavage; Epithelial lining fluid; Respiratory membrane permeability; Bronchial asthma; Pneumocystis carinii pneumonitis (Van de Graaf, E.A. (196) 27)

## Sarcolemma and sarcoplasmic reticulum pig muscular membrane

Malignant hyperthermia; Halothane; Spin labeling (Thomas, M.A. (200) 201)

## Satiety

Enzyme-linked immunosorbent assay; Pro-colipase activation peptide; Acute pancreatitis (Bowyer, R.C. (200) 137)

## Saudi Arabia

Hydroxyproline; Alkaline phosphatase; Isoenzyme; Sick cell disease (Mohammed, S.M. (203) 285)

## Sauna

Polyprenoid; Analgesic; Exercise (Roine, R. (204) 13)

## Screening test

Pyruvate; Lactate; Metabolic inborn errors (Kuroda, Y. (199) 17)

## SDS-PAGE

Spectrin; Erythrocyte membrane (human); Quantitative analysis; Pancreatic trypsin inhibitor (Kunitz); Internal standard (Yoshida, H. (199) 99)

## Secretor phenotype

Alkaline phosphatase isozyme; Intestinal alkaline phosphatase; ABO blood groups; Monoclonal antibody (Domar, U. (203) 305)

## Selenium

Primary biliary cirrhosis; Glutathione peroxidase (Välimäki, M. (196) 7)

## Sephadex LH-20

Norethindrone; Ethinyl estradiol; Radioimmunoassay; Celite; Chromatography (Zacur, H.A. (204) 209)

## Serum

Aminopeptidase A (Okuyama, T. (196) 207)

Iron; Atomic absorption spectrometry; Deproteinization (De Benzo, Z.A. (197) 139)

Alkaline phosphatase; Polyacrylamide gel (Ramasamy, I. (199) 243)

Phospholipase A<sub>2</sub>; Albumin; Acute pancreatitis (Langton, S.R. (203) 249)

Creatinine deiminase; Urine; Bacterium BN11 (Gottschalk, E.M. (204) 223)

## Serum amyloid P component

Amyloidosis; Renal failure; Hemodialysis; Continuous ambulatory peritoneal dialysis (Nelson, S.R. (200) 191)

## Serum arylesterase

Cirrhosis; Monoclonal antibody; ELISA (Kawai, H. (202) 219)

## Serum bile acid

Bioluminescence enzymatic analysis; Fluorescence enzymatic analysis; Gas chromatography-mass spectrometry (Rossi, S.S. (200) 63)

## Serum carnosinase

Dipeptidase (Jackson, M.C. (196) 193)

**Serum catalase**

Hydrogen peroxide and ammonium molybdate, complex of; Reference interval; Age and sex dependence (Góth, L. (196) 143)

**Serum concentration**

Arylsulfatase A; Radioimmunoassay; Cancer (Laidler, P. (204) 69)

**Serum glycoproteins**

LBSA determination; Gel electrophoresis and chromatography; Lipid analysis (Végh, Z. (203) 259)

**Serum immunoglobulins**

IgA; IDDM; NIDDM (Rodríguez-Segade, S. (203) 135)

**Serum isoferritin**

Heterozygous  $\beta$ -thalassaemia; Spectrotype; Multivariate analysis (Lasne, Y. (197) 85)

**Serum laminin**

Minimal change nephrosis; Membranous glomerulonephritis; Lupus nephritis; Diabetic nephropathy; Renal cell carcinoma (Horikoshi, S. (196) 185)

**Serum lipid**

Cerebrotendinous xanthomatosis; Atherogenic risk factor; Lipoprotein; Coronary artery disease; Atherosclerosis (Fujiyama, J. (200) 1)

**Serum lipoprotein**

Cyclodextrin; Electrophoresis; Turbidimetry (Sharma, A. (199) 129)

Obesity; Body fat distribution; Age (Sönnichsen, A.C. (202) 133)

**Serum protein**

Isozyme; Isoform; Biotinidase; Immunoblotting (Hart, P.S. (197) 257)

Multiple myeloma; Fructosamine; Glucose metabolism (Montagna, M.P. (204) 123)

**Serum zinc**

Highly sensitive reagent; Microwell plates; Dual-wavelength spectrophotometry; Masking and demasking system; Pediatric chemistry (Makino, T. (197) 209)

**Sex difference**

Familial hypercholesterolemia; Density gradient ultracentrifugation; LDL subfractions (Tilly-Kiesi, M.K. (201) 65)

Urine protein 1; Retinol-binding protein; Renal tubular dysfunction; Particle agglutination (Bernard, A. (201) 231)

**Short bowel syndrome**

Amino acids; Chiral gas chromatography (Ketting, D. (204) 79)

**Sialidase antibodies**

Sialidase (Neuraminidase); Clostridia; Myonecrosis, Diagnosis; ELISA; Patients (Roggentin, P. (196) 97)

**Sialidase**

Lectin; Enzymatic assay (Lambré, C.R. (198) 183)

**Sialidase (Neuraminidase)**

Sialidase antibodies; Clostridia; Myonecrosis, Diagnosis; ELISA; Patients (Roggentin, P. (196) 97)

**Sialidosis**

Galactosialidosis; Oligosaccharide; Subtype (Takahashi, Y. (203) 199)

**Sialyltransferase**

Human plasma; Fluorometric assay; CMP-9-fluoresceinyl-NeuAc; Acceptor specificity (Gross, H.J. (197) 237)

**Sickle cell anaemia**

Histaminemia; Hypohistidinemia (Enwonwu, C.O. (203) 363)

**Sickle cell disease**

Hydroxyproline; Alkaline phosphatase; Isoenzyme; Saudi Arabia (Mohammed, S.M. (203) 285)

**Silica Sep-Pak cartridge**

Fatty acids; Phospholipids (Ellin, Å. (200) 59)

**Silylation**

3-Hydroxy-3-methylglutaric aciduria; Organic acids; Gas chromatography-mass spectrometry; Derivatization; Urine analysis; Cot death (Mills, G.A. (204) 131)

**Simvastatin**

Cholesteryl ester; Lipoprotein metabolism; Compartmental analysis; Modelling; (human) (Magot, T. (196) 59)

Low density lipoprotein; LDL particle size; Type IIb hyperlipoproteinemia (Zhao, S.P. (203) 109)

**Singlet oxygen**

Porphyrin; Photosensitizer; Light; Hydrogen peroxide; Hydroxyl (Aravind Menon, I. (202) 237)

**Skeletal muscle**

Damage; Cytosolic protein; Calcium (Jackson, M.J. (197) 1)

Creatine kinase release; Contractile activity; Rat (West-Jordan, J.A. (203) 119)

**Skin fibroblasts**

Inborn error; MCAD; GC/MS; Mitochondrial  $\beta$ -oxidation (Niezen-Koning, K.E. (199) 173)

**Small intestine**

Aminopterin; Methotrexate; Diarrhea; Prostaglandin; Rat (Weiler, H. (199) 283)

**Smoking**

Urine; Cotinine; HPLC; Colorimetric assay; Cigarettes low-yield (Kolonen, S.A. (196) 159)

**Sodium**

Aging; Erythrocyte; Potassium; Sodium transport (Heseltine, D. (196) 41)

Angiotensin; Diuretics; Kidney; Renin; Urine (Boer, P. (199) 195)

**Sodium chloride interference**

Thallium determination; Palladium chemical modification; Graphite furnace atomic absorption spectrometry; Urine, blood analysis (Yang, Q. (204) 23)

**Sodium transport**

Aging; Erythrocyte; Potassium; Sodium (Heseltine, D. (196) 41)

**Southern blot analysis**

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Clon-

ality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

**Spectrin**

Erythrocyte membrane (human); Quantitative analysis; SDS-PAGE; Pancreatic trypsin inhibitor (Kunitz); Internal standard (Yoshida, H. (199) 99)

**Spectrotype**

Serum isoferitin; Heterozygous  $\beta$ -thalassaemia; Multivariate analysis (Lasne, Y. (197) 85)

**Spin labeling**

Malignant hyperthermia; Sarcolemma and sarcoplasmic reticulum pig muscular membrane; Halothane (Thomas, M.A. (200) 201)

**Splenectomy**

Unstable hemoglobin; Free radicals; Peroxidation; Antioxidative enzymes; Membrane fluidity (Falcioni, G. (196) 153)

**Spongy degeneration of brain**

Canavan's disease; Aspartoacylase; Leukodystrophy (Barash, V. (201) 175)

**Stable isotope**

Hyperornithinemia-hyperammonemia-homocitrullinuria; Mitochondrial transport; Liquid chromatography-mass spectrometry; Ornithine (Tsujino, S. (201) 129)

**Stable isotope dilution assay**

Mevalonic aciduria; Cholesterol biosynthesis; Prenatal diagnosis; Carrier detection (Hoffmann, G.F. (198) 209)

**Stable isotope labeling**

Bile acids; Glycosylation (Matern, S. (203) 77)

**Standardization program**

Lipid profiles; Low density lipoprotein cholesterol (LDLC); High density lipoprotein cholesterol (HDLC); Coronary heart disease; Lipid Research Clinics (LRC) cholesterol (Mace, R. (204) 189)

**Statistics**

Discriminant analysis; Recursive partitioning; Hypercalcemia (Lacher, D.A. (204) 199)

**Storage**

Human blood serum; Aminoacid stability; Ultrafiltration; pH; Temperature (Kornhuber, M.E. (197) 189)

Bismuth in blood and serum; Platinum; EAAS; Matrix modification (Slikkerveer, A. (201) 17)

Apolipoprotein E; Postmortem change; Isoelectric focusing; Immunoblotting (Lehtimäki, T. (203) 177)

**Struvite**

Urolithiasis; Urine; *Proteus mirabilis*; Crystal inhibitor; Pyrophosphate (McLean, R.J.C. (200) 107)

**Subclinical hypothyroidism**

Hypothyroidism; Hyperlipoproteinemia; Thyroid-stimulating hormone; Coronary heart disease (Glueck, C.J. (201) 113)

**Subform**

Isoenzyme; Myocardial infarction; Human; Creatine kinase; Computer-fitting (Christenson, R.H. (200) 23)

**Subtype**

Galactosialidosis; Sialidosis; Oligosaccharide (Takahashi, Y. (203) 199)

**Sudden infant death syndrome**

Carnitine; Medium chain acylCoA dehydrogenase deficiency; Neonatal screening (Barns, R.J. (197) 27)

**Sulfatide**

Cerebrospinal fluid; Gangliosides; Immunoaffinity; Cholera toxin; Monoclonal antibody (Davidsson, P. (197) 103)

**Sulphate reduction**

Hydrogen sulphide; Human feces; Colon; Sulphidogenesis; Methanogenesis (Florin, T.H.J. (196) 127)

**Sulphidogenesis**

Hydrogen sulphide; Sulphate reduction; Human feces; Colon; Methanogenesis (Florin, T.H.J. (196) 127)

**Synthesis**

$\alpha_1$ -Acid glycoprotein; Variants; Acute-phase (Eap, C.B. (203) 379)



# T

## T cell receptor genes

Immunoglobulin genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Immunoglobulin genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

## Tandem mass spectrometry

Isovaleric acidemia; Prenatal diagnosis; Carnitine (Shigematsu, Y. (203) 369)

## Tay-Sachs disease

Metachromatic leukodystrophy; Gaucher disease; Polymerase chain reaction; Arylsulfatase A; Pseudodeficiency; Lysosomal disorders (Louie, E. (199) 7)

Hexosaminidase A; Enzyme; Lysosome; Acid hydrolases; Genetic diseases (Den Tandt, W.R. (199) 231)

## TcR- $\beta$ genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\gamma$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

## TcR- $\delta$ genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation;

DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\gamma$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

## TcR- $\gamma$ genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig $\kappa$  genes; Ig $\lambda$  genes; TcR- $\beta$  genes; TcR- $\delta$  genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

## Temperature

Human blood serum; Aminoacid stability; Ultrafiltration; Storage; pH (Kornhuber, M.E. (197) 189)

## $\beta$ -thalassemia

IEF; Hb F Sardinia;  $A\gamma^T$ -chain; HPFH (Masala, B. (198) 195)

## Thallium determination

Palladium chemical modification; Graphite furnace atomic absorption spectrometry; Sodium chloride interference; Urine, blood analysis (Yang, Q. (204) 23)

## Thiamine

Erythrocyte; Transketolase; Apoenzyme; Thiamine diphosphate (Price, J. (202) 39)

## Thiamine diphosphate

Erythrocyte; Transketolase; Apoenzyme; Thiamine (Price, J. (202) 39)

## Thiocyanate:creatinine ratio

Urine; Cigarette smoking (Prje, J. (204) 87)

## Thymoma

Anti-skeletal muscle antibody; *Myasthenia gravis*; Anti-acetylcholine receptor antibody (Ohta, M. (201) 201)

**Thyroid-stimulating hormone**

Hypothyroidism; Subclinical hypothyroidism; Hyperlipoproteinemia; Coronary heart disease (Glueck, C.J. (201) 113)

**Tissue source**

Lactase; Jejunal fluid; Children (Quak, S.H. (204) 145)

**TNM stage**

$\gamma$ -Glutamyl transpeptidase; Head and neck cancer; radiotherapy (Singh, J. (203) 375)

**Tobacco**

Blood; Electrophoresis; Ethanol; Fucose; Haptoglobin; Lectin (Thompson, S. (201) 59)

**Tocopherol**

LDL modification; Lipid peroxidation; Copper (Cominacini, L. (204) 57)

**Total bilirubin**

Bilirubin; Biliprotein; Azopigments; Gel-chromatography; Accuracy (Franzini, C. (203) 339)

**Total thyroxine**

Enzyme immunoassay; UltramicroElisa; Ultramicroanalytical system;  $\beta$ -Galactosidase conjugate; Hypothyroidism (Gonzalez, R.R. (197) 159)

**Transketolase**

Erythrocyte; Apoenzyme; Thiamine diphosphate; Thiamine (Price, J. (202) 39)

**Transthyretin**

Prealbumin; Cerebrospinal fluid; ELISA (Vatassery, G.T. (197) 19)

**Triglyceride**

Lipolysis; Beta-2 receptor tolerance; Free fatty acids (Kendall, M.J. (204) 51)

Liver; Fatty acids; Reye's syndrome; Hepatic desaturase (Kang, E.S. (204) 167)

**Triglycerides**

Bromine; VLDL-C (Corrigan, F.M. (204) 301)

**Tumor marker**

ELISA; Nucleoside; Urine; Human; 1-Methylinosine (D'Ambrosio, S.M. (199) 119)

Breast cancer; Carcinoma associated mucin antigens; CA15-3; CEA (Dnistrian, A.M. (200) 81)

**Turbidimetric immunoassay**

Apolipoprotein; Reference values; Age- and sex-related differences; Japanese subjects (Noma, A. (199) 147)

**Turbidimetry**

Cyclodextrin; Serum lipoprotein; Electrophoresis (Sharma, A. (199) 129)

**Type 2 diabetes**

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## UltramicroElisa

Total thyroxine; Enzyme immunoassay; Ultramicroanalytical system;  $\beta$ -Galactosidase conjugate; Hypothyroidism (Gonzalez, R.R. (197) 159)

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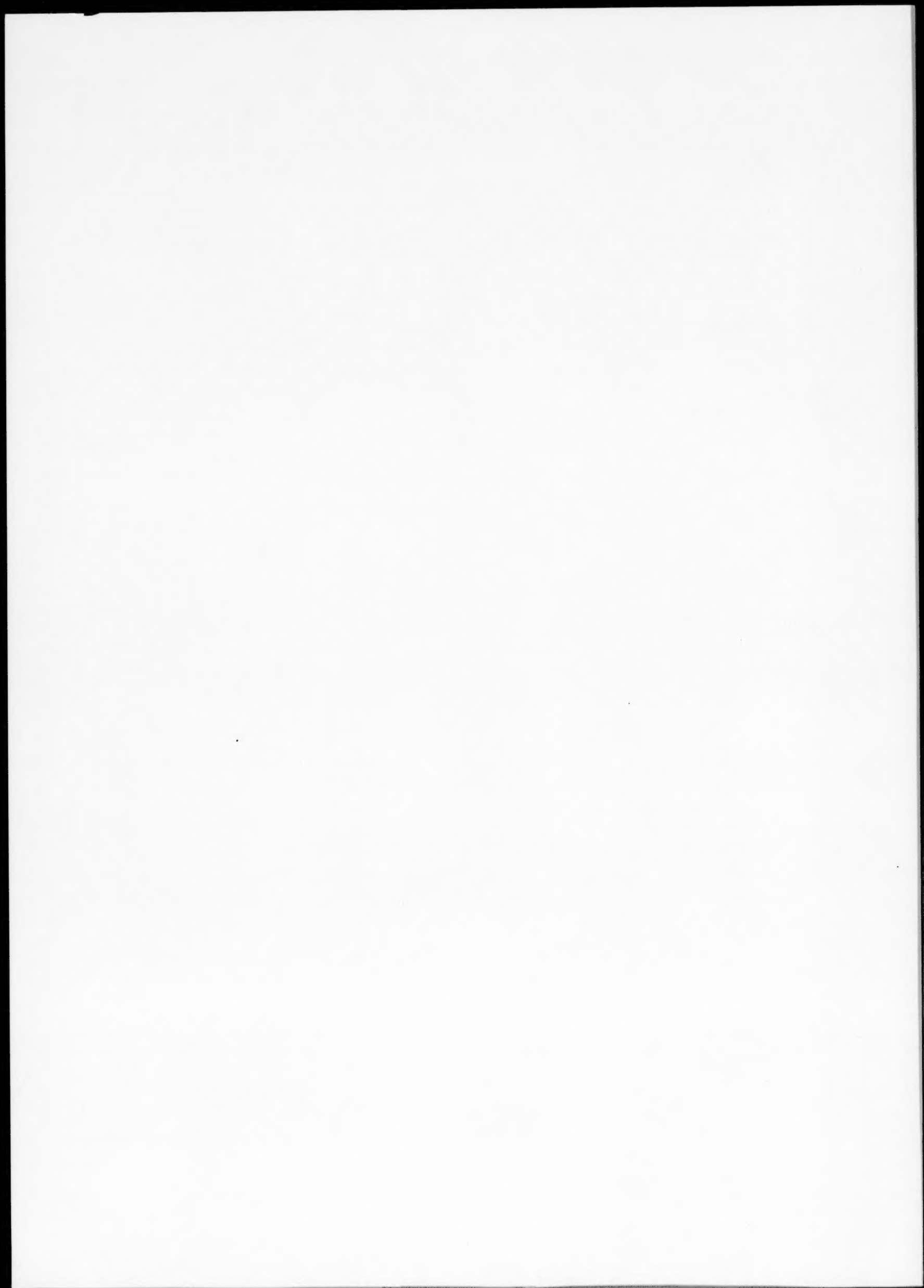
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# Advances in Analytical Cellular Pathology

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